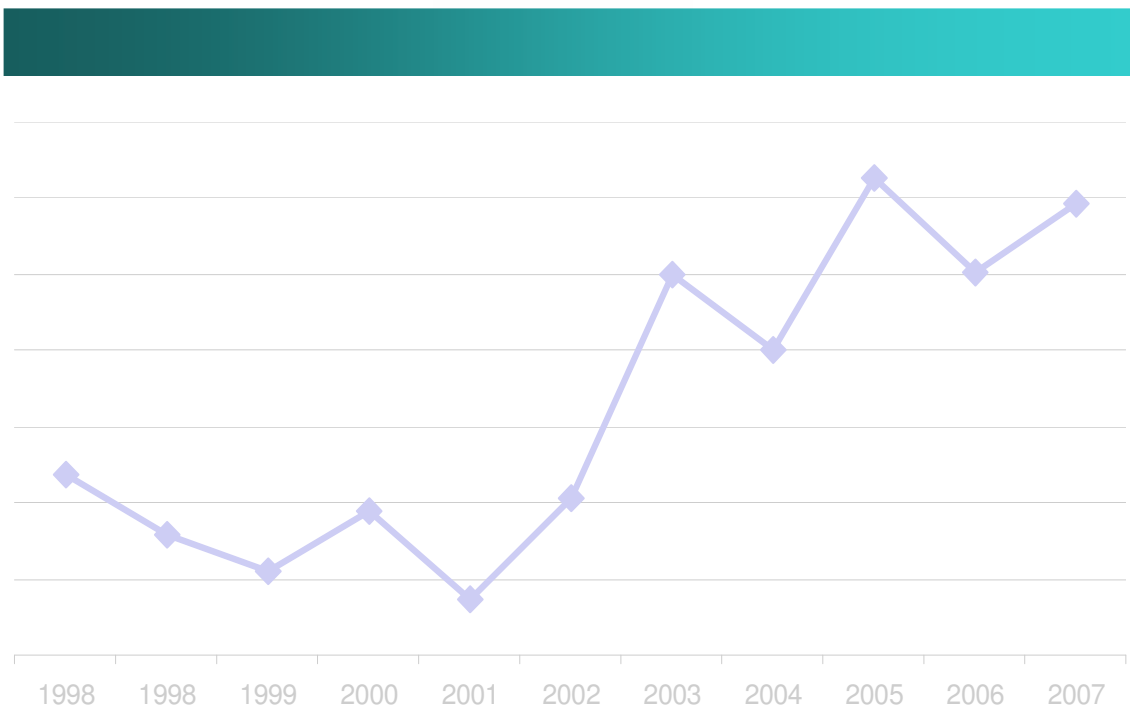


# State Sentinel Surveillance Report on HIV Infection Status and Trend Analysis WEST BENGAL: 1998 – 2007



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**and**  
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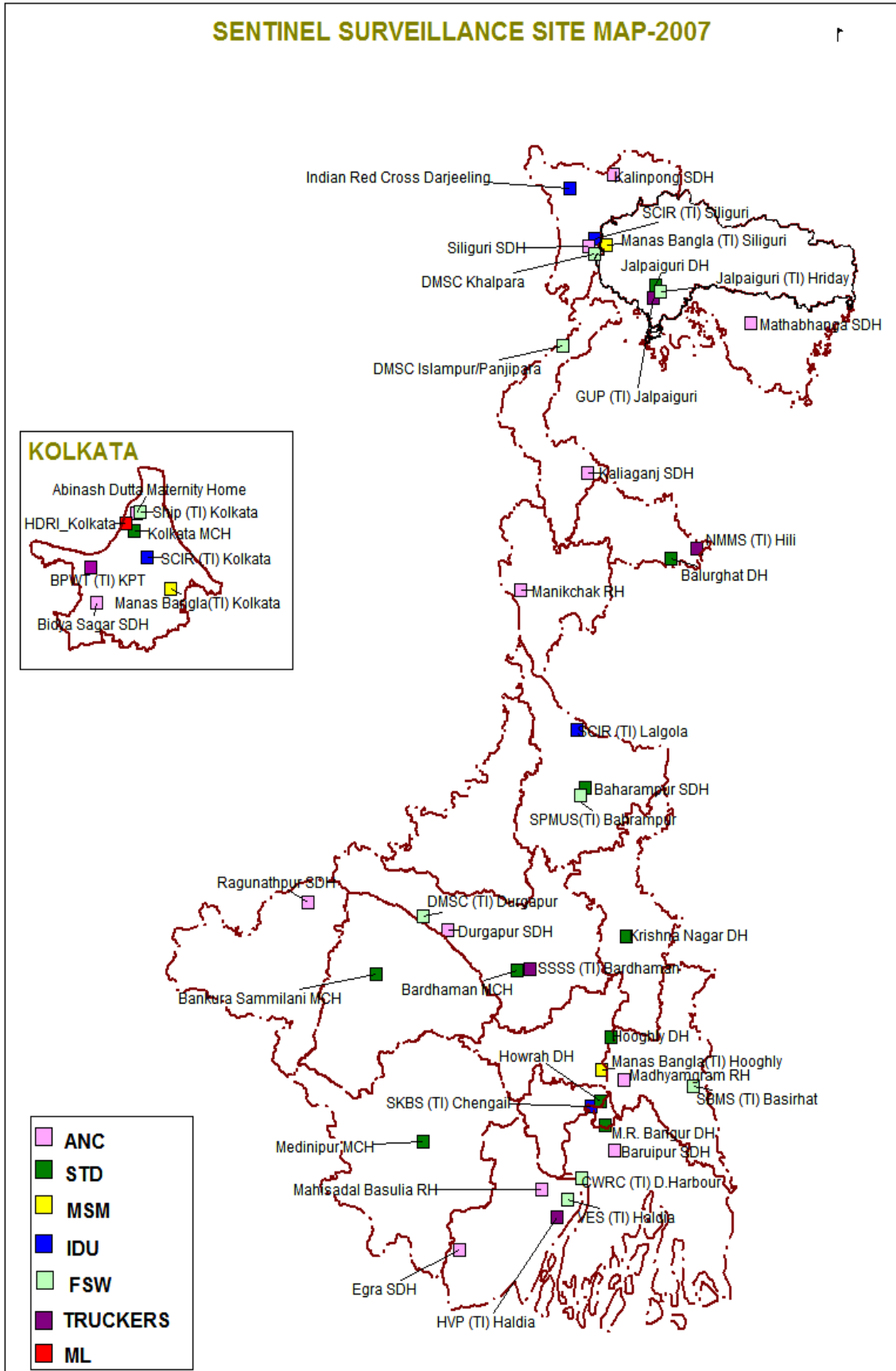
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Sentinel Surveillance -2007(West Bengal)

SENTINEL SURVEILLANCE SITE MAP-2007



## 1. HIV Surveillance

HIV surveillance can be defined as “A collection of epidemiological information of sufficient accuracy and completeness regarding the distribution and spread of HIV infection to be relevant to the planning and implementation of HIV / AIDS prevention and control programme activities”.

## 2. Objectives of HIV Surveillance

1. To provide an understanding of the spread of HIV infection by determining the level of infection in different States and identifying pockets of high prevalence (“hot spots”).
2. To determine the geographical distribution and time trends of infection
3. To provide information for the prioritization of resources and evaluation of the national response.
4. To estimate number of people infected with HIV in the country, utilizing the HSS data in the absence of any other reliable community based data.
5. To identify data to facilitate the integration of HIV/AIDS and Reproductive Child Health (RCH) under the National Rural Health Mission (NRHM).

Since the primary objective of surveillance is to monitor trends in HIV infection over time and place, cross-sectional studies of HIV sero-prevalence (also known as prevalence surveys) at regular and repeated intervals among “sentinel groups” need to be conducted using a consistent methodology in the same population group so as to demonstrate the trend or true change, if any, in HIV prevalence. The following epidemiological aspects should be kept in mind when interpreting surveillance data.

- HIV infections are not uniformly distributed in any population. The distribution of HIV infection in the population depends on the prevalence of certain behaviors or practices associated with an increased risk of HIV infection.
- There are limited major modes of HIV transmission and not everyone in the population runs the same risk of HIV infection.

### **3. Surveillance in India**

The new 2006 estimates released by the National AIDS Control Organization (NACO), supported by UNAIDS and WHO, indicate that national adult (15-49 years) HIV prevalence in India is approximately 0.36%, which corresponds to an estimated 2 million to 3.1 million people living with HIV in the country.

Surveillance activities started in 1985 when ICMR started screening blood from High Risk Groups to find out if HIV was present in the country and the evidence of HIV was first documented in Chennai in 1986. Until 1992, surveillance was based on data generated from 62 surveillance centers and 9 referral centers situated in different parts of the country. Heterosexual route is the predominant mode of transmission, followed by injecting drug use. However as the data was pooled, it did not suit the objective of monitoring HIV trends in the country over different geographic areas. Sentinel Surveillance was adopted in 1993–94 with the objective to monitor trends in specific High Risk Groups e.g. STD patients and in Low Risk Groups consisting of the antenatal clinic attendees. However all the designated sites did not carry out the surveillance activities and the data obtained was incomplete. The system underwent modification from time to time in response to the changing scenario in the country.

Since 1998, the National AIDS Control Organization (NACO) in collaboration with the National Institute of Health & Family Welfare (NIHFW) and the National Institute of Medical Statistics (NIMS), the Indian Council for Medical Research (ICMR), have been conducting annual rounds of HIV surveillance in designated sentinel sites nationwide and so far ten rounds have been completed. The number of sentinel sites has increased considerably over the years, all over the country from 180 in 1998 to 1122 in 2006 initiated to understand the spread of epidemic in rural areas and other vulnerable groups of the country.

### **4. Annual Sentinel Surveillance in West Bengal**

The HIV sentinel site surveillance is the main source of data on HIV prevalence and related trends in the state. An unlinked anonymous sampling procedure is adopted (according to NACO guidelines) for rapid collection of information from a broad cross-section of the population i.e. critical populations and geographical areas based on epidemiological considerations. Both most-at risk and less vulnerable sections of the population are covered.

The first state wide annual sentinel surveillance started in 1998 initially with small number of sites gradually increasing in number of the sites as per guidelines of NACO for widespread representation of the vulnerable areas. The data interpreted is useful for assessing and estimating the currently infected and the number expected to develop AIDS in the future:

- i. HIV / AIDS infection status and trend on HIV infection in the State and in the Zone Planning for management of HIV and AIDS cases
- ii. To identify priority areas and population groups
- iii. To help government and NGO programme managers at State and different local levels to plan effective interventions and services delivery. The information was to be extremely important in the advocacy process with key local, State and National Policy and Decision makers.

## **5. HIV Sentinel Surveillance Round-2007,11<sup>th</sup> round**

### **5.1. HIV Sentinel Surveillance – 2006**

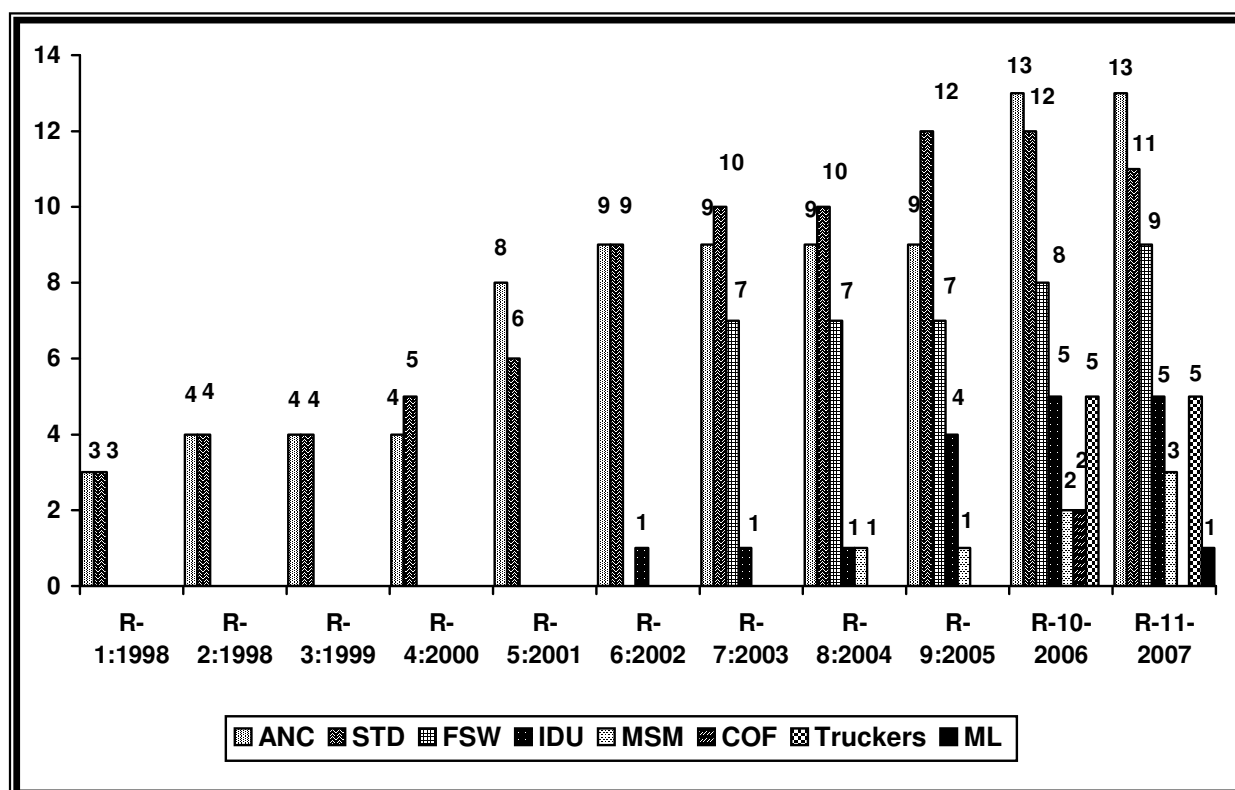
Sentinel Surveillance is carried out once a year all over India-State Wise to look at the HIV infection trends. The 11<sup>th</sup> round of HIV Sentinel Surveillance was carried out during the October-December 2007 extended till 15<sup>th</sup> January 2008 at 47 designated sites across West Bengal. 13 sites for ANC attendees, 11 for STD clients, 5 for IDU, 3 for MSM, 1 for Migrant Labor, 5 for Truckers and 9 for FSW have been selected following the operational guidelines for HIV Sentinel Surveillance – 2007.

This year there has been inclusion of one new MSM sites, three new ANC sites (among which one is a replacement of Contai SDH and the other replaces Bijoygarh SDH which couldn't meet the 75% criteria last year), one new FSW site and one new Migrant Labor site. Apart from measures undertaken for maintaining quality standards of data collected, the external quality assurance for HIV testing of the samples had been given priority.

**5.2. Sample size per site-2007,11<sup>th</sup> round:**

Site Type	Sample Size	Number of Sites
Antenatal Clinic Attendees	400	13
Patients Attending STD Clinics	250	11
FSW TI Projects	250	9
Injecting Drug Users Attending Treatment Clinics	250	5
MSM Site	250	3
Truckers	250	5
Migrant Laborers	250	1
<b>Total</b>		<b>47</b>

**5.3. Number of Sentinel Sites-Round Wise (1998-2007)**



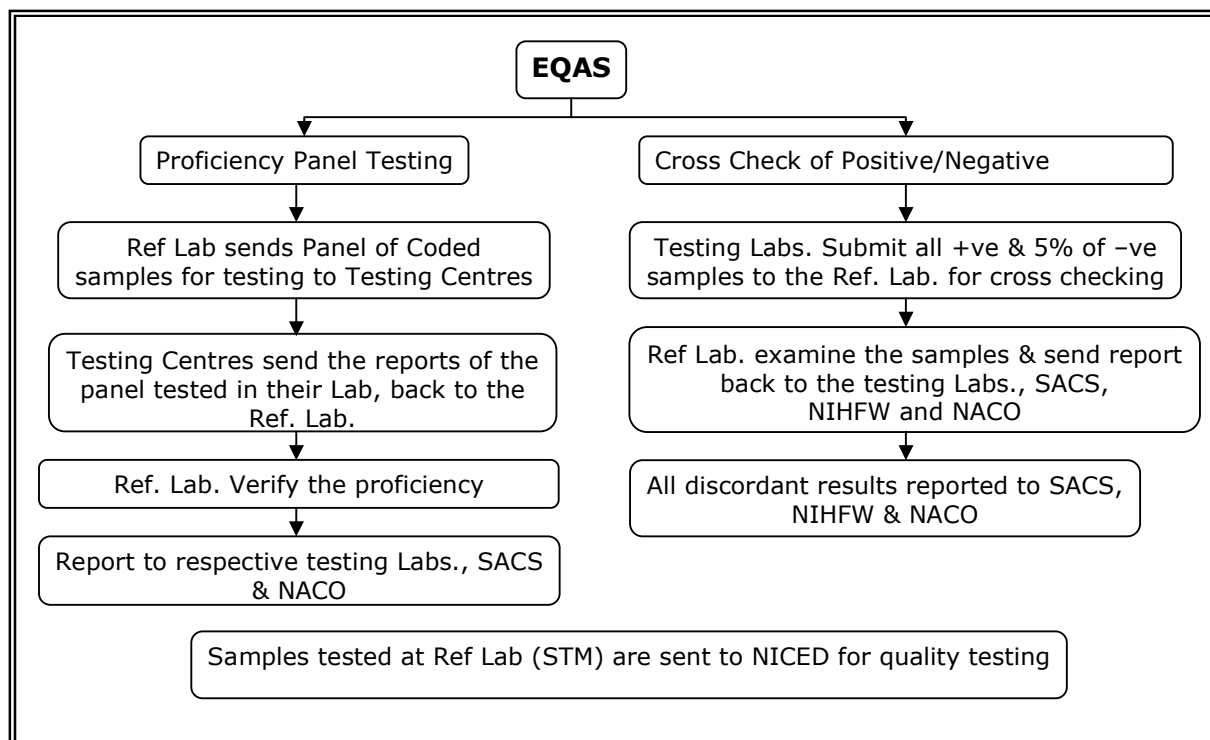
**5.4. Guidelines Overview-2007**

- Number of sentinel sites for surveillance in 2007, particularly in the vulnerable states increased so that the number of high-risk sites in the country could be covered to capture the diverse epidemic in the country

- The collection of samples would be based strictly on the inclusion criteria and sampling procedure defined as per NACO Protocols. Sample size for ANC was 400, FSW, Truckers, ML, IDU was 250 and sample size for STD patients would be included from two clinic sources-100 samples being drawn from the corresponding OBG clinic of the hospital and 150 samples from the STD clinic.
- Adequate training of all staff involved in the Sentinel Surveillance activity, before the start of the round and follow up training during the survey at the site, site wise feedback meeting and post surveillance zonal review meeting would be held.
- Request Forms for STD, IDU, ANC, MSM, FSW, Migrant Labor and Truckers would be made available in time with proper coding in each Sentinel Sites especially for the new Sentinel Sites.
- Consumables such as syringes, needles, gloves, screw-capped tubes etc. would be centrally procured and be made available before the start of the Round.
- HIV testing kits of two different antigens would be made available before Round to the HIV testing laboratory.
- In House quality control for HIV testing to be ensured.
- Needle cutter and syringes shredder to be made available at each Sentinel sites
- Decontaminations and disposal of hazardous waste to be disposed properly and staff would be re-sensitized accordingly.
- Remuneration would be paid in time to all staff involved in Sentinel Survey.
- Same Blood sample will be tested for VDRL apart from HIV Testing.
- The amount of Blood sample to be collected from the subjects will be 5 ml.
- Sera would be separated in two portions. One part would be tested for the purpose for which blood is drawn (e.g. VDRL or RPR in STD and ANC samples) in the clinic site and the other part would be coded and tested for HIV and VDRL/RPR in HIV testing laboratory.
- The testing will be done in the designated HIV testing laboratories like previous round.
- The staff involved in the testing will be subjected to one day training on HIV and VDRL testing procedure, in their respective HIV testing laboratory.
- The external quality assurance for testing will be done on the same lines as done earlier i.e. all positive samples and 5% of negative samples will be sent to concerned reference laboratory i.e STM, Virology, Kolkata & samples tested in STM, Virology would be sent to NICED for the quality testing.



**External Quality Assurance Scheme (EQAS)**



**A. Panel Sera Supplied from STM Kolkata(National Reference Laboratory)**

Name of Testing Laboratory	Result (Proficiency)
National Medical College Hospital	100%
Medical College Hospital	100%
Burdwan Medical College Hospital	100%
Medinipur Medical College Hospital	100%
AIH&PH	100%
N. R. S. Medical College Hospital	75%
North Bengal Medical College Hospital	No Report

**B. Cross Checking of all positive and 5% of negative samples**

**i. Results from STM Kolkata**

Name of Testing Laboratory	Positive	Negative	Result (Proficiency)
National Medical College Hospital	41	60	100%
Medical College Hospital	30	66	100%
NICED	36	54	100%
Burdwan Medical College Hospital	25	64	100%

## HIV Sentinel Surveillance West Bengal 2007

Medinipur Medical College Hospital	21	58	100%
AIH&PH	34	80	100%
N. R. S. Medical College Hospital	17	42	100%
North Bengal Medical College Hospital	22	--	100%

### ii. Results from NICED

Name of Testing Laboratory	Positive	Negative	Result (Proficiency)
STM	36	85	100%

**Total +ve =263 (392 i.e 70%) Proficiency 100%**

**Total 5% of -ve =509 (642 i.e 79%)–Proficiency 100%**

## 6. Details of HIV Sentinel Surveillance Sites-2007,11<sup>th</sup> round

HIV Sentinel Sites-2007		
Sl. No.	Designated sites	Number of sites
1	ANC Sites	13
2	STD Sites	11
3	FSW Sites	9
4	IDU Sites	5
5	MSM Sites	3
6	Truckers Sites	5
7	Migrant Labor Sites	1
<b>Total sites</b>		<b>47</b>

### 6.1. ANC Sentinel Sites-2007

Sl. No.	District	Name of Designated Site	Site In-charge and Contact no.	Type of site	Samples
1.	Cooch Behar	Mathabhanga SDH Mathabhanga	Dr. Palash Nath 3583255261	Old	400
2.	Darjeeling	Siliguri DH	Dr. Bithi Dutta 9474028283	Old	400
3.	Uttar Dinajpur	Kaliaganj SDH	Dr.Suparna Dey 9434459114	Old	400
4.	Malda	Manikchak RH	Dr.Tapas Roy 9932827067	Old	400
5.	Purulia	Raghunathpur SDH	Dr.Aswini Kr. Majhi 9434254495	Old	400
6.	Darjeeling	Kalingpong SDH	Dr. Salomi Bhutia 9434380840	New	400
7.	Burdwan.	Durgapur SDH	Dr. M.K. Nandi 9832167607	Old	400
8.	North 24 Pgs	Madhyamgram RH	Dr.Jyoti Biswas 9830032433	Old	400
9.	Purba Midnapur	Egra SDH	Dr.I.A. Choudhury 03220-244220	New	400
10.	Purba Midnapur	Basulia RH	Dr .Tarun Kanti Khatua 9932770568	Old	400
11.	Kolkata.	Abinash Dutta Maternity Home	Dr.Tanmoy Mukherjee 9830632601	Old	400
12.	Kolkata	Bidya Sagar SDH	Dr. Lata Ojha 9331094709	New	400
13.	South 24 Pgs	Baruipur SDH	Dr.B.P.Shah 9434183891	Old	400

**6.2. STD Sentinel Sites-2007**

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Kolkata	Kolkata Medical College & Hospital	Dr.P.K.Datta 9830060411	Old	250
2.	South 24 Pgs	M.R.Bangur DH	Dr.S.Ghosh 9331881617	Old	250
3.	Bankura	BSMCH.Bankura	Dr.D.P.Datta 9434391835	Old	250
4.	Burdwan	BMCH	Dr.Malay Halder 9433001086	Old	250
5.	Jalpaiguri	Jalpaiguri DH	Dr.Swapan Kr Banerjee 9434016823	Old	250
6.	Dakshin Dinajpur	Balurghat.DH	Dr.Ashok Sarkar 9434247072	Old	250
7.	Murshidabad	Baharampur .DH	Dr.Dhyanotosh Biswas 9434173683	Old	250
8.	Nadia	Krishnanagar.DH	Dr.R B Dutta 9433097632	Old	250
9.	Howrah	Howrah DH	Dr.S.K.Dhara 9433160006	Old	250
10.	Hooghly.	Hooghly DH	Dr.Shankar Dey 9433180854	Old	250
11.	Paschim Midnapur	MMC.Midnapur	Dr. Mrinal Kanti Barman 9474505042	Old	250

**6.3. IDU Sentinel Sites-2007**

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Kolkata	SCIR(TI)Tiljala	Mr.Simon Wellington Beddoe 9830110233	Old	250
2.	Darjeeling	SCIR(TI)Siliguri	Mr.Debashis Roy 9933063460	Old	250
3.	Murshidabad	SCIR(TI)Lalgola	Mr.Tushar Kanti Dey 9933070952/ 9933070951	Old	250
4.	Howrah	SKBS(TI)Chengail	Mr.Debashish Das 9339720800	Old	250
5.	Darjeeling	Indian Red Cross (TI) Darjeeling	Mrs.Rinchan Dupka 9831155283	Old	250

**6.4. MSM Sentinel Sites-2007**

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Darjeeling	Manas Bangla (TI) Siliguri	Sougata Mukherjee 9733024523	Old	250
2.	Kolkata	Manas Bangla (TI)	Mr. Supriyo Biswas 9831891506	Old	250
3.	Hooghly	Manas Bangla (TI) Hooghly	Jagannath Debnath 9339101269	New	250

**6.5. FSW Sentinel Sites-2007**

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Kolkata	SHIP (TI)	Mr. Mintu Muherjee 9433126041	Old	250
2.	South 24 Pgs	CWRC(TI) Diamond Harbour	Rita Das 9831532209	Old	250
3.	Burdwan	DMSC (TI) Durgapur	Ms Bharti Dey 9831365552	Old	250
4.	Murshidabad	SPMUS (TI) Baharampur	Tanmoy Mukherjee 9434387202	Old	250
5.	Purba Midnapur	VES (TI) Haldia	Dipak Acharya 9474448516	Old	250
6.	Darjeeling	DMSC. Khalpara	Sovananda Singha 9434059129	Old	250
7.	Jalpaiguri	Jalpaiguri (TI) Hriday	Tapasi Bose 9932141677	Old	250
8.	North 24 Pgs	SBMS (TI) Basirhat	Mr. Bijoy Mondol 9434825012	Old	250
9.	Uttar Dinajpur	DMSC Islampur/Panjipara	Mr. Raja Prasad 9832374141	New	250

**6.6. Truckers Sentinel Sites-2007**

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Purba Midnapur	H V P(TI) Haldia	Saibal Maity 9434611864	Old	250
2.	Jalpaiguri	G U P(TI) Jalpaiguri	Uday Shankar Jena 9932924492	Old	250
3.	Kolkata	BPWT (TI) KPT	Mr. Asok Sarder 9433353240	Old	250
4.	Burdwan	SSSS(TI) Burdwan	Mr. Akhilesh Kr. Ghosh 9474041553	Old	250
5.	Dakshin Dinajpur	NMMS (TI) Hili	Mr. Parth Sarkar 9474443670	Old	250

## 6.7. ML Sentinel Sites-2007

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Kolkata	HDRI,Kolkata	Ms. Ruma Banik 9830269235	New	250

7. The HIV Sentinel Sites-2007,11<sup>th</sup> round at a glance

ANC Sentinel Sites—2007,11 <sup>th</sup> round.			
ANC Designated Sentinel Sites (Old )		ANC Designated Sentinel Sites (New )	
1.	Abinash Dutta Maternity Home (Kolkata)	1.	Bidya Sagar SDH(Kolkata)
2.	Baruipur. SDH (South 24 Pgs. )	2.	Kalinpong SDH(Darjeeling)
3.	Basulia RH (Purba Midnapur)	3.	Egra SDH.(Purba Midnapur )
4.	Durgapur SDH (Burdwan)		
5.	Kaliaganj SGH (U. Dinajpur )		
6.	Madhyamgram RH (North.24 Pgs)		
7.	Manikchak RH (Malda)		
8.	Mathabhanga SDH (Coochbehar)		
9.	Raghunathpur SDH.(Purulia )		
10.	Siliguri DH.(Darjeeling)		
STD Sentinel Sites—2007,11 <sup>th</sup> round.			
STD Sentinel Sites (Old)		STD Sentinel Site (New)	
1.	MCH STD (Kolkata)	1.	None
2.	M. R. Bangur Hospital STD (S.24Pgs)		
3.	BMCH STD Clinic (Burdwan)		
4.	BSMCH STD Clinic (Bankura)		
5.	Jalpaiguri D.H STD (Jalpaiguri)		
6.	Baharampur D.H. STD (Murshidabad)		
7.	Balurghat D.H. STD(D. Dinajpur)		
8.	Krishnanagr D.H. STD (Nadia)		
9.	Howrah D.H. STD (Howrah)		
10.	Hoogly D.H.(Hoogly)		
11.	Medinipur MCH (P.Midnapur)		

IDU Sentinel Sites ---2007,11 <sup>th</sup> round.	
IDU Sentinel Sites (Old)	IDU Sentinel Sites (New)
1. SCIR (TI) Siliguri (Darjeeling)	None
2. SCIR (TI) Lalgola (Murshidabad)	
3. SCIR (TI) Tiljala (Kolkata)	
4. SKBS (TI) Chengail (Howrah)	
5. Indian Red Cross.Kurseong S.D. (Darjeeling)	
MSM Sentinel Sites ---2007,11 <sup>th</sup> round	
MSM Sentinel Sites (Old)	MSM Sentinel Sites (New)
1. Manas Bangla(TI) Kolkata	1. Manas Bangla (TI ) Srirampur /Hooghly
2. Manas Bangla Siliguri (Darjeeling)	
FSWs Sentinel Sites ---2007,11 <sup>th</sup> round	
FSWs Sentinel Sites ( Old)	FSWs Sentinel Sites (New)
1. SHIP (TI) .(Kolkata)	1. DMSC Islampur/ Panjipara
2. CWRC (TI) Diamond Harbour(S.24Pgs)	
3. DMSC (TI) Durgapur (Burdwan)	
4. SPMUS (TI) Baharampur (Murshidabad)	
5. VES (TI)Haldia (Purba Midnapur )	
6. DMSC Khalpara (Darjeeling)	
7. Jalpaiguri TI (Jalpaiguri )	
8. SBMS (TI)Basirhat (North 24 Pgs )	
Truckers Sentinel Sites---2007,11 <sup>th</sup> round	
Truckers Sentinel Sites ( Old)	Truckers Sentinel Sites (New)
1. HVP (TI) Haldia (Purba Midnapur)	None
2. GUP.Jalpaiguri (Jalpaiguri)	
3. BPWT (TI) KPT (Kolkata)	
4. SSSS (TI) Burdwan (Burdwan)	
5. NMMS Hili ( D.Dinajpur )	

## 8. New Sites-2007, 11th round

### Migrant Labor Sentinel Sites---2007, 11th round.

#### Migrant Labor Sentinel Site (New)

1. HDRI



**9. Statement of HIV Sentinel Surveillance Testing Sites-2007,11<sup>th</sup> round**

<b>Testing Laboratory</b>	<b>HIV Sentinel Surveillance Sites and Site units</b>
S T M Virology.	<ol style="list-style-type: none"> <li>1) M. R. Bangur - STD</li> <li>2) Baruipur SDH - ANC</li> <li>3) Hoogly DH - STD</li> <li>4) Diamond Harbour Road TI - FSW</li> <li>5) DMSC Durgapur TI – FSW</li> </ol>
Medical College Hospital, Microbiology	<ol style="list-style-type: none"> <li>1) Manikchak Rural Hospital - ANC</li> <li>2) Medinipur Medical College Hospital - STD</li> <li>3) SKBS TI Chengail - IDU</li> <li>4) Bidya Sagar SGH - ANC</li> </ol>
N. R. S. Medical College Hospital, Microbiology	<ol style="list-style-type: none"> <li>1) Howrah District Hospital - STD</li> <li>2) Baharampur District Hospital - STD</li> <li>3) SPMUS Baharampur TI - FSW</li> <li>4) Balurghat DH - STD</li> <li>5) NMMS Hilli Dinajpur (S) - Truckers</li> </ol>
National Medical College Hospital, Microbiology	<ol style="list-style-type: none"> <li>1) Kaliaganj Rural Hospital -ANC</li> <li>2) BPWT TI KPT - T ruckers</li> <li>3) HDRI,Burrabazar TI - ML</li> <li>4) SBMS TI - FSW</li> </ol>
AIHH&PH Microbiology	<ol style="list-style-type: none"> <li>1) SCIR Kolkata - IDU</li> <li>2) Abinash Dutta Maternity Home - ANC</li> <li>3) Madhyamgram RH - ANC</li> <li>4) Krishnanagar District Hospital - STD</li> <li>5) Medical College Hospital - STD</li> </ol>
Burdwan Medical College Hospital, Microbiology	<ol style="list-style-type: none"> <li>1) Bankura Sammilani MCH - STD</li> <li>2) Durgapur S.D. Hospital - ANC</li> <li>3) Manas Bangla,Spr,Hooghly TI - MSM</li> <li>4) Raghunathpur SDH - ANC</li> <li>5) SSSS Burdwan TI – Truckers</li> </ol>
North Bengal Medical College Hospital, Microbiology	<ol style="list-style-type: none"> <li>1) Mathabhanga SDH - ANC</li> </ol>

	<ol style="list-style-type: none"> <li>2) Siliguri SDH - ANC</li> <li>3) DMSC Islampur - STD</li> <li>4) Jalpaiguri District Hospital - STD</li> <li>5) SCIR Siliguri TI - IDU</li> <li>6) DMSC Khalpara - FSW</li> <li>7) Jajpaiguri TI Hriday -FSW</li> <li>8) GUP TI Jalpaiguri - Truckers</li> <li>9) IRC Kurseong SDB - IDU</li> <li>10) Manas Bangla Siliguri – MSM</li> <li>11) Kalingpong SDH – ANC</li> </ol>
NICED Virology	<ol style="list-style-type: none"> <li>1) SHIP Kolkata - FSW</li> <li>2) SCIR Lalgola - IDU</li> <li>3) Manash Bangla Kolkata - MSM</li> <li>4) BMCH STD</li> </ol>
Medinipur Medical College Hospital, Microbiology	<ol style="list-style-type: none"> <li>1) Basulia RH - ANC</li> <li>2) Egra SDH - ANC</li> <li>3) VES Haldia TI - FSW</li> <li>4) HVP TI - Truckers</li> </ol>

**10. Code No. of HIV Sentinel Site -2007, 11th round**

Sl. No.	ANC Site	Code No.	Sl. No.	IDU Site	Code No.
1.	Mathabhanga SDH	WBA – 01	1.	SCIR (TI) Kolkata	WB IDU 01
2.	Siliguri DH	WBA – 02	2.	SCIR (TI) Siliguri	WB IDU 02
3.	Kaliaganj SGH	WBA – 03	3.	SCIR (TI) Lalgola	WB IDU 03
4.	Manikchak RH	WBA – 04	4.	SKBS (TI) Chengail	WB IDU 04
5.	Ragunathpur SDH	WBA – 05	5.	IRCS (TI) Darjeeling	WB IDU 05
6.	Kalinpong SDH	WBA – 06	<b>Sl. No.</b>	<b>MSM Site</b>	<b>Code No.</b>
7.	Durgapur SDH	WBA – 07	1.	Manas Bangla (TI) Siliguri.	WB MSM 01
8.	Madhyamgram RH	WBA – 08	2.	Manas Bangla (TI) Kolkata	WB MSM 02
9.	Egra SDH	WBA – 09	3.	Manas Bangla (TI) Hooghly	WB MSM 03
10	Basulia RH	WBA – 10	<b>Sl. No.</b>	<b>Truckers Site</b>	<b>Code No.</b>
11.	Abinash Dutta Maternity Home	WBA – 11	1.	HVP (TI) Haldia	WB T 01
12.	Bidyasagar SDH	WBA – 12	2.	GUP (TI) Jalpaiguri	WB T 02
13.	Baruipur SDH	WBA – 13	3.	BPWT (TI) KPT	WB T 03
<b>Sl. No.</b>	<b>STD Site</b>	<b>Code No.</b>	4.	SSSS (TI) Burdwan	WB T 04
1.	CMCH, Kolkata	WB 01S-01G	5.	NMMS (TI) Hilli	WB T 05
2.	M. R. Bangur Hospital	WB 02S-02G	<b>Sl.No.</b>	<b>FSW Site</b>	<b>Code No.</b>
3.	BSMCH	WB 03S-03G	1.	SHIP (TI) Kol	WB 01F
4.	BMCH	WB 04S-04G	2.	CWRC (TI) D.H	WB 02F
5.	Jalpaiguri DH	WB 05S-05G	3.	DMSC (TI) Durgapur	WB 03F
6.	Balurghat DH	WB 06S-06G	4.	SPMUS (TI) Behrampur	WB 04F
7.	Behrampur DH	WB 07S-07G	5.	VES (TI) Haldia	WB 05F
8.	Krishnanagar DH	WB 08S-08G	6.	DMSC(TI) Khalpara,Darjeeling	WB 06F
9.	Howrah DH	WB 09S-09G	7.	Jalpaiguri (TI) Hriday	WB 07F
10.	Hoogly DH	WB 10S-10G	8.	SBMS (TI) Basirhat	WB 08F
11.	Medinipur MCH	WB 11S-11G	9.	DMSC Islampur/Panjipara	
<b>Sl.No.</b>	<b>Migrant Labor Site</b>	<b>Code No.</b>			
1.	HDRI_Kolkata	WB ML 01			



**Trend Analysis  
&  
HIV Infection Status in West Bengal-2007**

**11. West Bengal Sentinel Surveillance for HIV infection-2007****West Bengal Sentinel Surveillance for HIV Infection - 2006**

	Site Name	District	Sample	Tested sample	%	HIV	HIV%	VDRL	VDRL %
<b>ANC</b>	1.Mathabhanga SDH	Coochbehar	400	400	100	1	0.25	6	1.50
	2.Siliguri DH	Darjeeling	400	400	100	2	0.50	9	2.25
	3.Kaliagang SGH	Uttar Dinajpur	400	400	100	0	0.00	5	1.25
	4.Manikchak RH	Malda	400	400	100	0	0.00	1	0.25
	5.Raghunathpur SDH	Purulia	400	400	100	0	0.00	0	0.00
	6.Kalimpong SDH	Darjeeling	400	400	100	8	2.00	7	1.75
	7.Durgapur SDH	Burdwan	400	400	100	3	0.75	1	0.25
	8.Madhyamgram RH	North 24 Pgs	400	400	100	0	0.00	1	0.25
	9.Egra SDH	Purba Medinipur	400	400	100	0	0.00	0	0.00
	10. Basulia RH	Purba Medinipur	400	255	63.75	0	0.00	0	0.00
	11.Baruiপুর SDH	South 24 Pgs	400	400	100	0	0.00	3	0.75
	12.Abinas Dutta M.Home	Kolkata	400	400	100	6	1.50	5	1.25
	13.Bidya Sagar SDH	Kolkata	400	400	100	0	0.00	3	0.75
	<b>Total</b>		<b>4800</b>	<b>4800</b>	<b>100</b>	<b>20</b>	<b>0.42</b>	<b>41</b>	<b>0.85</b>
<b>STD</b>	1.Jalpaiguri DH	Jalpaiguri	250	250	100	5	2.00	1	0.40
	2.Balurghat DH	Dakshin Dinajpur	250	250	100	2	0.80	4	1.60
	3.Baharampur DH	Murshidabad	250	250	100	13	5.20	2	0.80
	4.Krishnanagar DH	Nadia	250	249	99.6	0	0.00	5	2.01
	5.BSMCH	Bankura	250	250	100	0	0.00	3	1.20
	6.BMCH	Burdwan	250	250	100	1	0.40	27	10.80
	7.Hoogly DH	Hoogly	250	250	100	6	2.40	2	0.80
	8.Howrah DH	Haora	250	214	85.6	0	0.00	8	3.74
	9.MMC	Paschim Mednipur	250	250	100	3	1.20	0	0.00
	10.M.R.Bangur DH	South 24 Pgs	250	250	100	2	0.80	4	1.60
	11.CMCH	Kolkata	250	222	88.8	11	4.95	6	2.70
	<b>Total</b>		<b>2750</b>	<b>2685</b>	<b>97.64</b>	<b>43</b>	<b>1.60</b>	<b>62</b>	<b>2.31</b>
<b>FSW</b>	1.DMSC,Khalpara (Darjeeling)	Darjeeling	250	250	100	20	8.00	43	17.20
	2.Jalpaiguri (TI.)	Jalpaiguri	250	250	100	13	5.20	53	21.20
	3.SPMUS (TI) Baharampur.	Murshidabad	250	250	100	3	1.20	14	5.60
	4.DMSC (TI) Durgapur.	Burdwan	250	250	100	15	6.00	45	18.00
	5.SBMS (TI) Basirhat	North 24 Pgs	250	248	99.2	12	4.84	2	0.81
	6.VES (TI) HALDIA	Purba Medinipur	250	250	100	13	5.20	2	0.80
	7.CWRC (TI) D.Harbour	South 24 Pgs	250	250	100	13	5.20	13	5.20
	8.SHIP (TI) Kol	Kolkata	250	250	100	13	5.20	17	6.80
	9.DMSC Islampur/Panjipara	Uttar Dinajpur	250	250	100	31	12.40	26	10.40
	<b>Total</b>		<b>2250</b>	<b>2248</b>	<b>100</b>	<b>133</b>	<b>5.92</b>	<b>215</b>	<b>9.56</b>
<b>IDU</b>	1.Indian Red Cross. (Darj)TI	Darjeeling	250	250	100	20	8.00	7	2.80
	2.SCIR (TI) Siliguri	Darjeeling	250	250	100	29	11.60	9	3.60
	3.SCIR (TI) Lalgola	Murshidabad	250	250	100	6	2.40	8	3.20
	4.SKBS (TI) Chengail	Haora	250	250	100	25	10.00	4	1.60
	5.SCIR (TI) Tiljala	Kolkata	250	250	100	17	6.80	9	3.60
	<b>Total</b>		<b>1250</b>	<b>1250</b>	<b>100</b>	<b>97</b>	<b>7.76</b>	<b>37</b>	<b>2.96</b>
<b>MSM</b>	1.Manas Bangla Siliguri (TI)	Darjeeling	250	250	100	12	4.80	9	3.60
	2.Manas Bangla (TI) Kol	Kolkata	250	250	100	16	6.40	21	8.40
	3.Manas Bangla(TI)Srirampur	Hooghly	250	248	99.2	14	5.65	9	3.63
	<b>Total</b>		<b>750</b>	<b>748</b>	<b>100</b>	<b>42</b>	<b>5.61</b>	<b>39</b>	<b>5.21</b>

<b>TRUCKER</b>	1.GUP.Jalpaiguri (TI)	Jalpaiguri	250	250	100	8	3.20	14	5.60
	2.NMMS.Hili (TI)	Dakshin Dinajpur	250	250	100	3	1.20	7	2.80
	3.SSSS (TI) Burdwan	Burdwan	250	249	99.6	8	3.21	7	2.81
	4.HVP (TI) Haldia	Purba Medinipur	250	250	100	8	3.20	0	0.00
	5.BPWT (TI) KPT	Kolkata	250	250	100	7	2.80	3	1.20
	<b>Total</b>		<b>1250</b>	<b>1249</b>	<b>99.92</b>	<b>34</b>	<b>2.72</b>	<b>31</b>	<b>2.48</b>
<b>ML</b>	1. HDRI Kolkata	Kolkata	250	248	99.2	23	9.27	2	0.81
	<b>Total</b>		<b>250</b>	<b>248</b>	<b>99</b>	<b>23</b>	<b>9.27</b>	<b>2</b>	<b>0.81</b>
	<b>Grand Total</b>		<b>13300</b>	<b>13228</b>	<b>99.46</b>	<b>392</b>	<b>2.96</b>	<b>427</b>	<b>3.23</b>
<b>MIU</b>	South Bengal Frontier Hospital		250	250	100	2	0.80	3	1.20
	North Bengal Frontier Hospital		250	250	100	6	2.40	7	2.80
	<b>Total</b>		<b>500</b>	<b>500</b>	<b>100</b>	<b>8</b>	<b>1.60</b>	<b>10</b>	<b>2.00</b>

This year ANC site -Basulia RH failed to capture 75% of the targeted sample as per NACO rules and thus it has been excluded from the trend analysis as it could achieve only 63.75% of the tested sample. Therefore trend analysis for ANC sites were done on the basis of 4800 sampled data

Site Type	Total Tested Sample	Data Barred		Final Data for 11 <sup>th</sup> round analysis
		Site	Sample	
ANC	5055	Basulia RH	255	4800

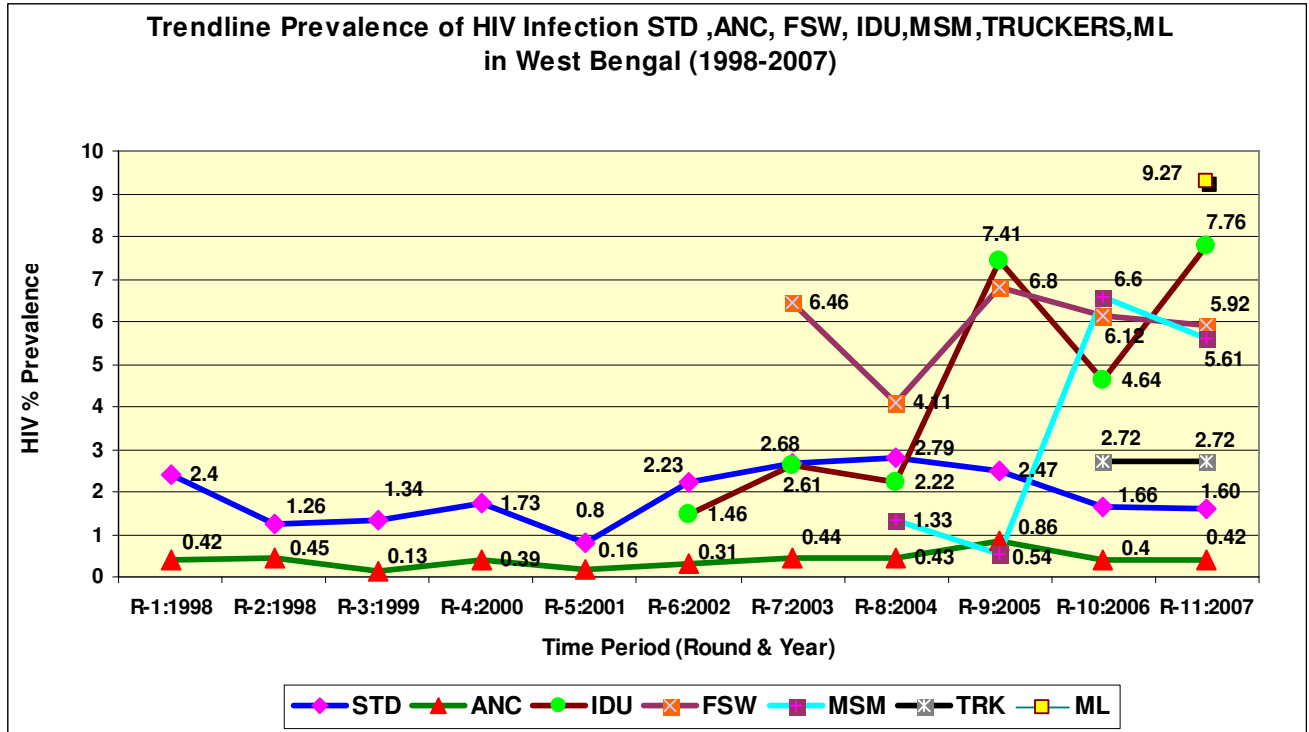
### Sentinel Surveillance for HIV Infection: Trend Analysis & HIV Infection Status in West Bengal-2007

#### 11.1. HIV Sentinel Surveillance, West Bengal at a Glance (1998-2007)

Year	STD				ANC				FSW				IDU			
	No. of Sentinel Sites	No. Tested	Total +ve	%	No. of Sentinel Sites	No. Tested	Total +ve	%	No. of Sentinel Sites	No. Tested	Total +ve	%	No. of Sentinel Sites	No. Tested	Total +ve	%
1998	3	750	18	2.4	3	1200	5	0.42	-	-	-	-	-	-	-	-
1998	4	951	12	1.26	4	1320	6	0.45	-	-	-	-	-	-	-	-
1999	4	819	11	1.34	4	1537	2	0.13	-	-	-	-	-	-	-	-
2000	5	1101	19	1.73	4	1530	6	0.39	-	-	-	-	-	-	-	-
2001	6	1493	12	0.8	8	3200	5	0.16	-	-	-	-	-	-	-	-
2002	9	2106	47	2.23	9	3600	11	0.31	-	-	-	-	1	205	3	1.46
2003	10	2392	64	2.68	9	3600	16	0.44	7	1750	113	6.46	1	230	6	2.61
2004	10	2368	66	2.79	9	3481	15	0.43	7	1750	72	4.11	1	225	5	2.22
2005	12	2511	62	2.47	9	3149	27	0.86	7	1383	94	6.79	4	998	74	7.41
2006	11	2718	45	1.66	12	4798	19	0.40	8	1960	120	6.12	5	1250	58	4.64
2007	11	2685	43	1.60	13	4800	20	0.42	9	2248	133	5.92	5	1250	97	7.76
<b>Total</b>	<b>19894</b>	<b>399</b>	<b>2.01</b>	<b>Total</b>	<b>32215</b>	<b>132</b>	<b>0.41</b>	<b>Total</b>	<b>9091</b>	<b>532</b>	<b>5.85</b>	<b>Total</b>	<b>4158</b>	<b>243</b>	<b>5.84</b>	

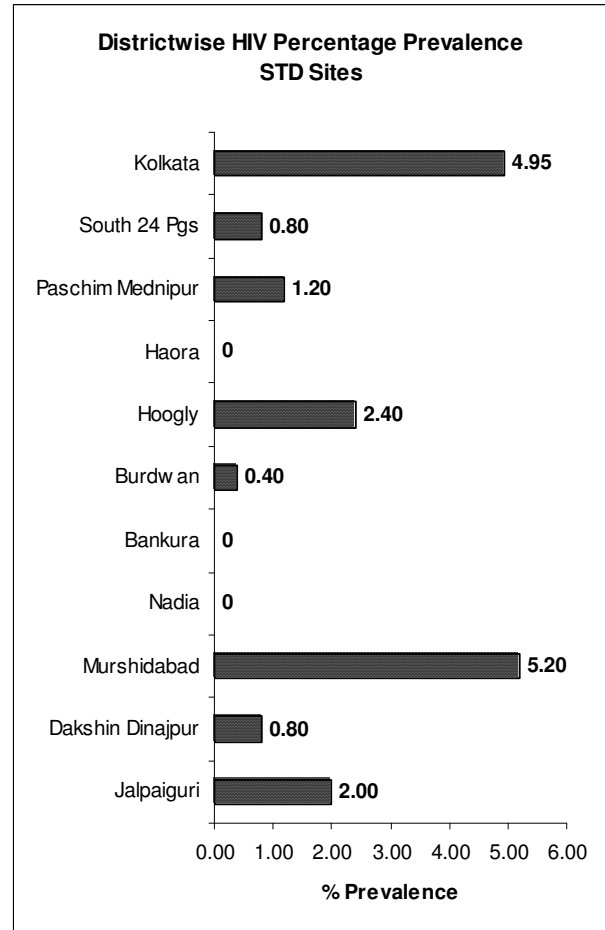
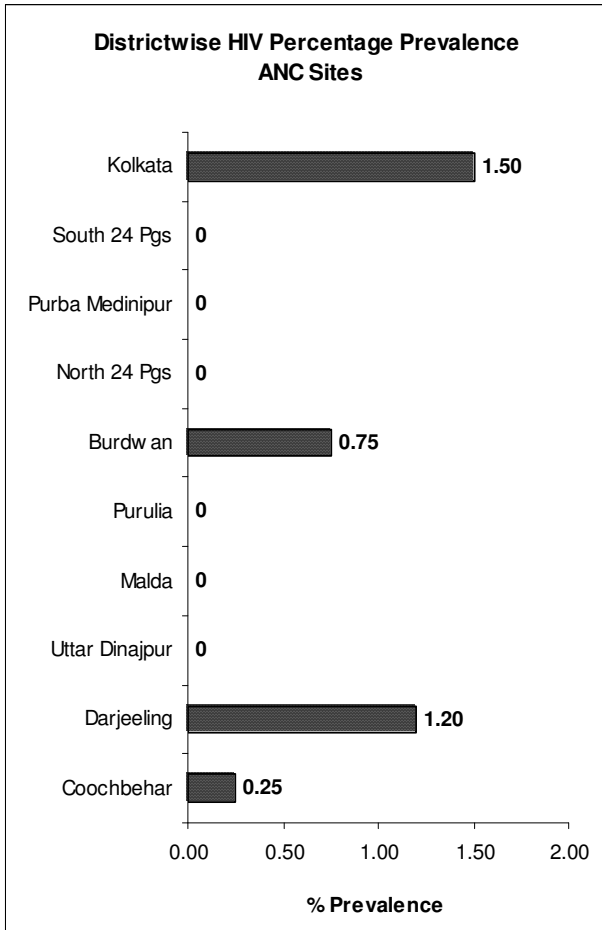
Year	MSM				TRUCKERS				CLIENT				MIGRANT LABOR			
	No. of Sentinel Sites	No. Tested	Total +ve	%	No. of Sentinel Sites	No. Tested	Total +ve	%	No. of Sentinel Sites	No. Tested	Total +ve	%	No. of Sentinel Sites	No. Tested	Total +ve	%
1998	-	-	-	-												
1998	-	-	-	-												
1999	-	-	-	-												
2000	-	-	-	-												
2001	-	-	-	-												
2002	-	-	-	-												
2003	-	-	-	-												
2004	1	150	2	1.33												
2005	1	186	1	0.54												
2006	2	500	33	6.6	5	1248	34	2.72	2	499	17	3.41				
2007	3	748	42	5.61	5	1249	34	2.72	-	-	-	-	1	248	23	9.27
<b>Total</b>	<b>1584</b>	<b>78</b>	<b>4.92</b>	<b>Total</b>	<b>2497</b>	<b>68</b>	<b>2.72</b>	<b>Total</b>	<b>499</b>	<b>17</b>	<b>3.41</b>	<b>Total</b>	<b>248</b>	<b>23</b>	<b>9.27</b>	

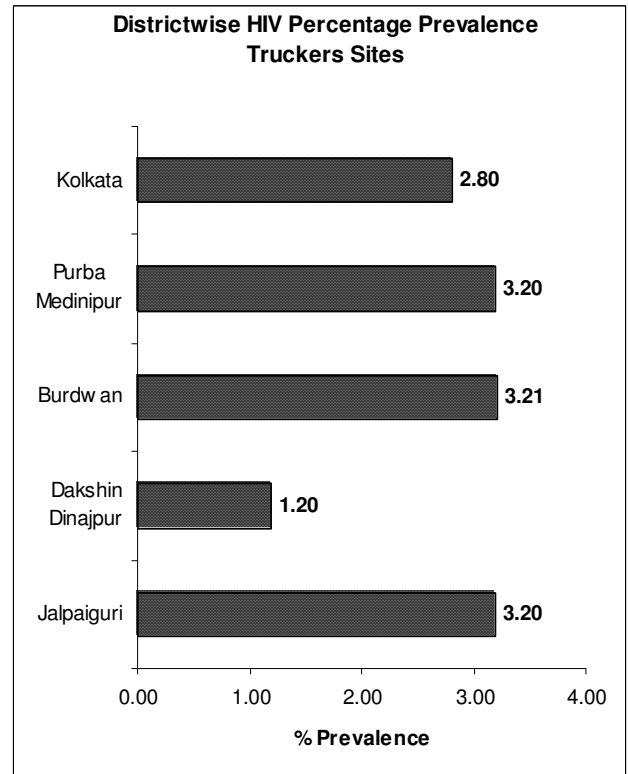
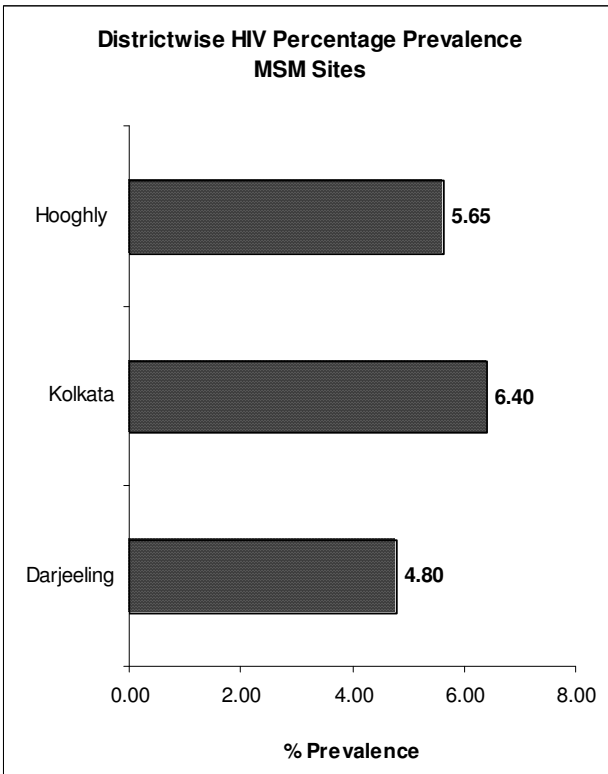
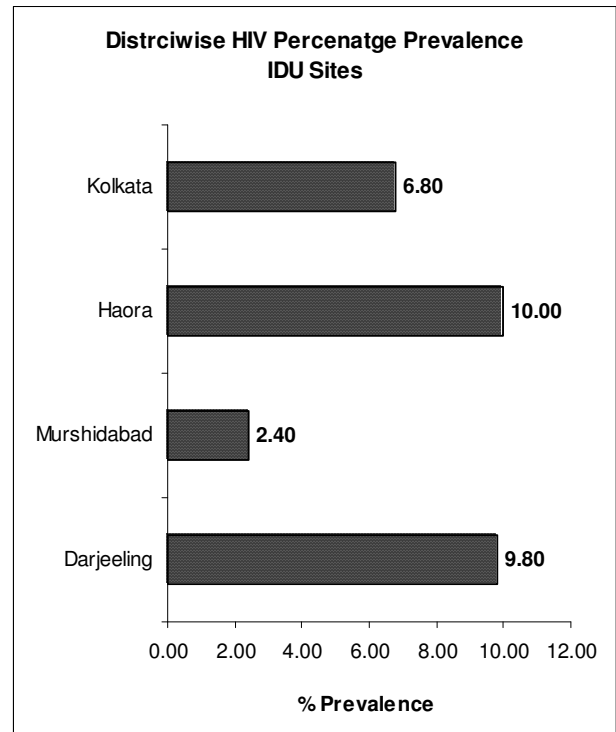
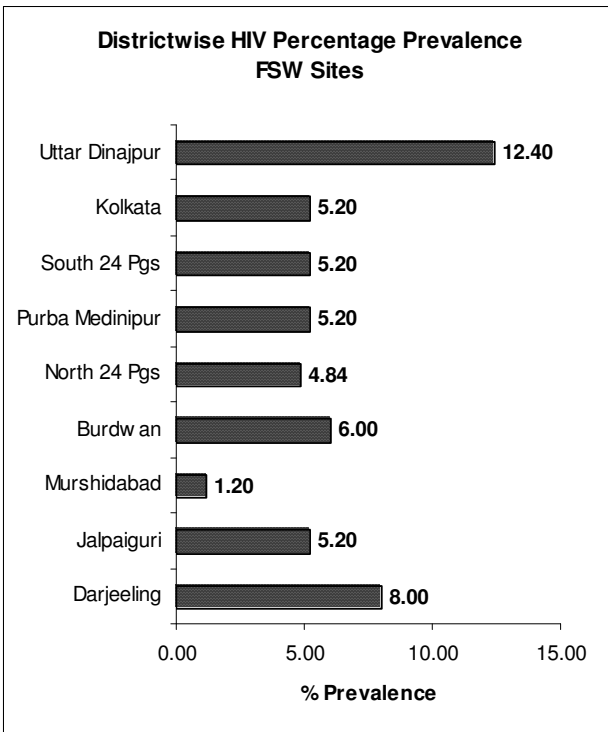
**Percentage Prevalence of HIV Infection STD, ANC, FSW, IDU, MSM, TRUCKERS, ML Sites in West Bengal (1998-2007) (NACO SITES)**





**District wise HIV Prevalence STD, ANC, FSW, IDU, MSM, TRUCKERS, ML Sites in West Bengal 2007**





## 11.2. HIV Sentinel Surveillance Survey Analysis-ANC Sites

### Individual Site Report: Round wise HIV Prevalence Rate and 90 percent Confidence Interval

**Table 1: ANC Centre, Medical College Hospital**

Round & Year	No. of Cases Tested	No of +ve Cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
1-1998	400	2	0.50	-0.08	1.08	<b>0.50</b>
2-1998	400	3	0.75	0.04	1.46	
3-1999	337	0	0.00	0.00	0.00	
<b>Total</b>	<b>1137</b>	<b>5</b>	<b>0.44</b>	<b>0.12</b>	<b>0.76</b>	

(Started since 1998)

**Table 2: ANC Centre, North Bengal Medical College Hospital**

Round & Year	No. of Cases Tested	No of +ve Cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
1-1998	400	3	0.75	0.04	1.46	<b>0.25</b>
2-1998	320	2	0.63	-0.10	1.35	
3-1999	400	1	0.25	-0.16	0.66	
4-2000	400	2	0.50	-0.08	1.08	
5-2001	400	1	0.25	-0.16	0.66	
6-2002	400	0	0.00	0.00	0.00	
7-2003	400	1	0.25	-0.16	0.66	
<b>Total</b>	<b>2720</b>	<b>10</b>	<b>0.37</b>	<b>0.18</b>	<b>0.56</b>	

(Started since 1998)

**Table 3: ANC Centre, Baharampur Sadar Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
1-1998	0	0	0.00	0.00	0.00	<b>0.00</b>
2-1998	200	0	0.00	0.00	0.00	
3-1999	400	0	0.00	0.00	0.00	
4-2000	320	2	0.63	-0.10	1.35	
5-2001	400	0	0.00	0.00	0.00	
<b>Total</b>	<b>1320</b>	<b>2</b>	<b>0.15</b>	<b>-0.02</b>	<b>0.33</b>	

(Started since 1998)

**Table 4: ANC Centre, Durgapur Sub Divisional Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
1-1998	400	0	0.00	0.00	0.00	<b>0.25</b>
2-1998	400	1	0.25	-0.16	0.66	
3-1999	400	1	0.25	-0.16	0.66	
4-2000	400	0	0.00	0.00	0.00	
5-2001	400	0	0.00	0.00	0.00	
6-2002	400	0	0.00	0.00	0.00	
7-2003	400	2	0.50	-0.08	1.08	
8-2004	400	4	1.00	0.18	1.82	

9-2005	400	5	1.25	0.34	2.16	
10-2006	400	1	0.25	-0.16	0.66	
11-2007	400	3	0.75	0.04	1.46	
<b>Total</b>	<b>4400</b>	<b>17</b>	<b>0.39</b>	<b>0.23</b>	<b>0.54</b>	

(Started since 1998)

**Table 5: ANC Centre, Bijoygarh S.D. Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
4-2000	400	2	0.50	-0.08	1.08	<b>0.58</b>
5-2001	400	0	0.00	0.00	0.00	
6-2002	400	5	1.25	0.33	1.27	
7-2003	400	2	0.50	-0.08	1.08	
8-2004	310	2	0.65	-0.10	1.40	
9-2005	89	2	2.25	-0.33	4.83	
<b>Total</b>	<b>1999</b>	<b>13</b>	<b>0.65</b>	<b>0.35</b>	<b>0.95</b>	

(Started since 2000)

**Table 6: ANC Centre, R.G. Kar Medical College Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
5-2001	400	2	0.50	0.00	0.00	
6-2002	400	1	0.25	-0.16	0.66	
<b>Total</b>	<b>800</b>	<b>3</b>	<b>0.38</b>	<b>0.02</b>	<b>0.73</b>	

(Started since 2001)

**Table 7: ANC Centre, Raiganj District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
5-2001	400	1	0.25	-0.16	0.66	<b>0.50</b>
6-2002	400	3	0.75	0.04	1.46	
7-2003	400	3	0.75	0.04	1.46	
8-2004	400	0	0.00	0.00	0.00	
9-2005	400	2	0.50	-0.08	1.08	
<b>Total</b>	<b>2000</b>	<b>9</b>	<b>0.45</b>	<b>0.20</b>	<b>0.70</b>	

(Started since 2001)

**Table 8: ANC Centre, Tamluk Sub Divisional Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
5-2001	400	1	0.25	-0.16	0.66	<b>0.00</b>
6-2002	400	0	0	0	0	
7-2003	400	3	0.75	0.04	1.46	
8-2004	400	0	0.00	0.00	0.00	
9-2005	399	0	0.00	0.00	0.00	
<b>Total</b>	<b>1999</b>	<b>4</b>	<b>0.20</b>	<b>0.04</b>	<b>0.36</b>	

(Started since 2001)

**Table 9: ANC Centre, Purulia District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
5-2001	400	0	0.00	0	0.00	<b>0.25</b>
6-2002	400	0	0.00	0	0.00	
7-2003	400	1	0.25	-0.16	0.66	
8-2004	400	2	0.50	-0.08	1.08	
9-2005	400	6	1.50	0.50	2.50	
<b>Total</b>	<b>2000</b>	<b>9</b>	<b>0.45</b>	<b>0.20</b>	<b>0.70</b>	

(Started since 2001)

**Table 10: ANC Centre, Malda District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
6-2002	400	2	0.5	-0.08	1.08	<b>0.13</b>
7-2003	345	0	0.00	0.00	0.00	
8-2004	373	0	0.00	0.00	0.00	
9-2005	400	1	0.25	-0.16	0.66	
<b>Total</b>	<b>1518</b>	<b>3</b>	<b>0.20</b>	<b>0.01</b>	<b>0.39</b>	

(Started since 2002)

**Table 11: ANC Centre, Lady Duffrin Victorial Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
6-2002	400	0	0	0	0	
7-2003	400	2	0.5	-0.08	1.08	
<b>Total</b>	<b>800</b>	<b>2</b>	<b>0.25</b>	<b>-0.04</b>	<b>0.54</b>	

(Started since 2002)

**Table 12: ANC Centre, Darjeeling District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
7-2003	280	1	0.36	-0.23	0.94	<b>0.50</b>
8-2004	398	2	0.50	-0.08	1.08	
9-2005	359	3	0.84	0.05	1.63	
<b>Total</b>	<b>1037</b>	<b>6</b>	<b>0.58</b>	<b>0.19</b>	<b>0.97</b>	

(Started since 2003)

**Table 13: ANC Centre, Koochbehar District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
8-2004	400	0	0.00	0.00	0.00	
9-2005	391	1	0.26	-0.16	0.68	
<b>Total</b>	<b>791</b>	<b>1</b>	<b>0.13</b>	<b>-0.08</b>	<b>0.33</b>	

(Started since 2004)

**Table 14: ANC Centre, Abinash Dutta Maternity Home**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
8-2004	400	5	1.25	0.34	2.16	<b>1.63</b>
9-2005	400	9	2.25	1.03	3.47	
10-2006	398	7	1.76	0.67	2.85	
11-2007	400	6	1.50	0.50	2.50	
<b>Total</b>	<b>1598</b>	<b>27</b>	<b>1.69</b>	<b>1.16</b>	<b>2.22</b>	

(Started since 2004)

**Table 15: ANC Centre, Diamond Harbour Sub Divisional Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	400	0	0.00	0.00	0.00	
<b>Total</b>	<b>400</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

(Started since 2005)

**Table 16: ANC Centre, Siliguri Sub Divisional Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	395	3	0.76	0.04	1.48	<b>0.50</b>
10-2006	400	0	0.00	0.00	0.00	
11-2007	400	2	0.50	-0.08	1.08	
<b>Total</b>	<b>1195</b>	<b>5</b>	<b>0.42</b>	<b>0.11</b>	<b>0.73</b>	

(Started since 2005)

**Table 17: ANC Centre, Mathabhanga Sub Division Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
10-2006	400	0	0.00	0.00	0.00	
11-2007	400	1	0.25	-0.16	0.66	
<b>Total</b>	<b>800</b>	<b>1</b>	<b>0.13</b>	<b>-0.08</b>	<b>0.33</b>	

(Started since 2006)

**Table 18: ANC Centre, Kaliaganj, CHC**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	400	1	0.25	-0.16	0.66	<b>0.25</b>
10-2006	400	9	2.25	1.03	3.47	
11-2007	400	0	0	0.00	0.00	
<b>Total</b>	<b>1200</b>	<b>10</b>	<b>0.83</b>	<b>0.40</b>	<b>1.27</b>	

(Started since 2005)

**Table 19: ANC Centre, Manikchak, Milki**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	349	0	0.00	0.00	0.00	
10-2006	400	0	0.00	0.00	0.00	
11-2007	400	0	0.00	0.00	0.00	
<b>Total</b>	<b>1149</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

(Started since 2005)

**Table 20: ANC Centre, Suri District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
10-2006	400	0	0.00	0.00	0.00	
<b>Total</b>	<b>400</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

(Started since 2006)

**Table 21: ANC Centre, Madhyamgram, CHC**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	400	2	0.50	-0.08	1.08	<b>0.25</b>
10-2006	400	1	0.25	-0.16	0.66	
11-2007	400	0	0.00	0.00	0.00	
<b>Total</b>	<b>1200</b>	<b>3</b>	<b>0.25</b>	<b>0.01</b>	<b>0.49</b>	

(Started since 2005)

**Table 22: ANC Centre, Raghunathpur, CHC**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	300	1	0.33	-0.22	0.88	<b>0.25</b>
10-2006	400	1	0.25	-0.16	0.66	
11-2007	400	0	0.00	0.00	0.00	
<b>Total</b>	<b>1100</b>	<b>2</b>	<b>0.18</b>	<b>-0.03</b>	<b>0.39</b>	

(Started since 2005)

**Table 23: ANC Centre, Mahisadal\_Basulia**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	398	1	0.25	-0.16	0.67	<b>0.00</b>
10-2006	400	0	0.00	0.00	0.00	
11-2007	255	0	0.00	0.00	0.00	
<b>Total</b>	<b>1053</b>	<b>1</b>	<b>0.09</b>	<b>-0.06</b>	<b>0.25</b>	

(Started since 2005)

**Table 24: ANC Centre, Contai Sub Division Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
10-2006	400	0	0.00	0.00	0.00	
<b>Total</b>	<b>400</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

(Started since 2006)

**Table 25: ANC Centre, Baruipur Sub Division Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	400	4	1.00	0.18	1.82	
10-2006	400	0	0.00	0.00	0.00	
11-2007	400	0	0.00	0.00	0.00	
<b>Total</b>	<b>1200</b>	<b>4</b>	<b>0.33</b>	<b>0.06</b>	<b>0.61</b>	

(Started since 2005)

**Table 26: ANC Centre, Egra Sub Division Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
11-2007	400	0	0.00	0.00	0.00	
<b>Total</b>	<b>400</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

(New Site)

**Table 27: ANC Centre, Bidya Sagar Sub Division Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
11-2007	400	0	0.00	0.00	0.00	
<b>Total</b>	<b>400</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

(New Site)

**Table 26: ANC Centre, Kalinpong Sub Division Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
11-2007	400	8	2.00	0.85	3.15	
<b>Total</b>	<b>400</b>	<b>8</b>	<b>2.00</b>	<b>0.85</b>	<b>3.15</b>	

(New Site)

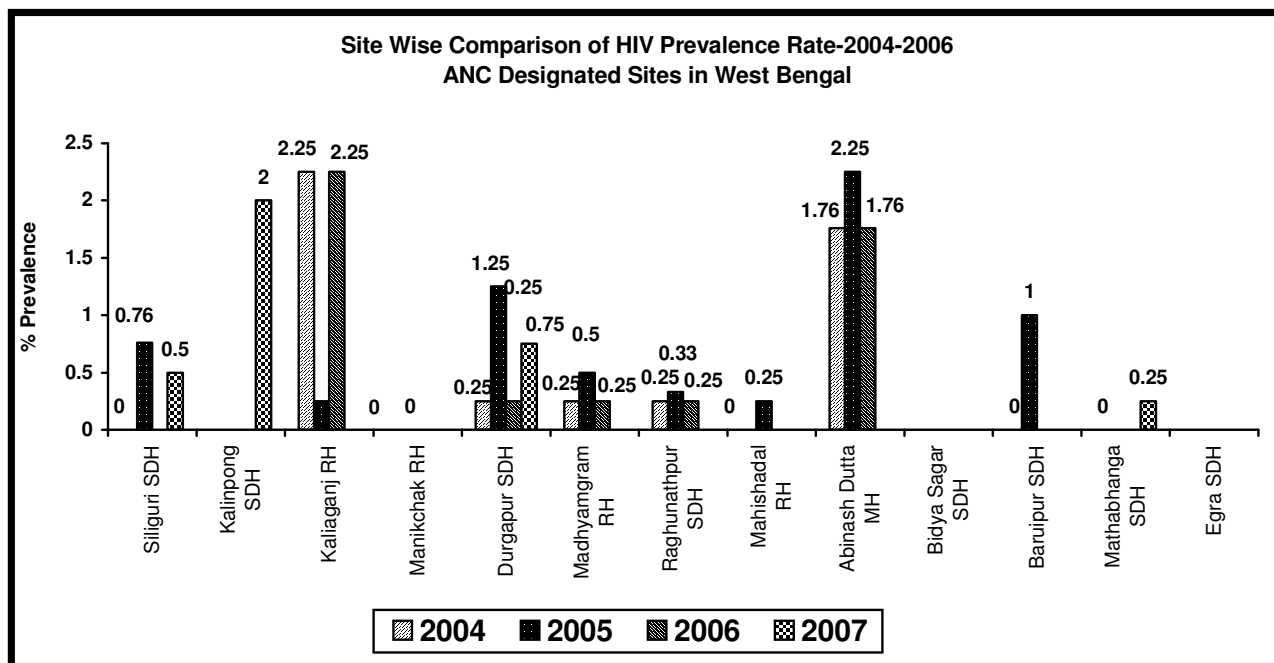
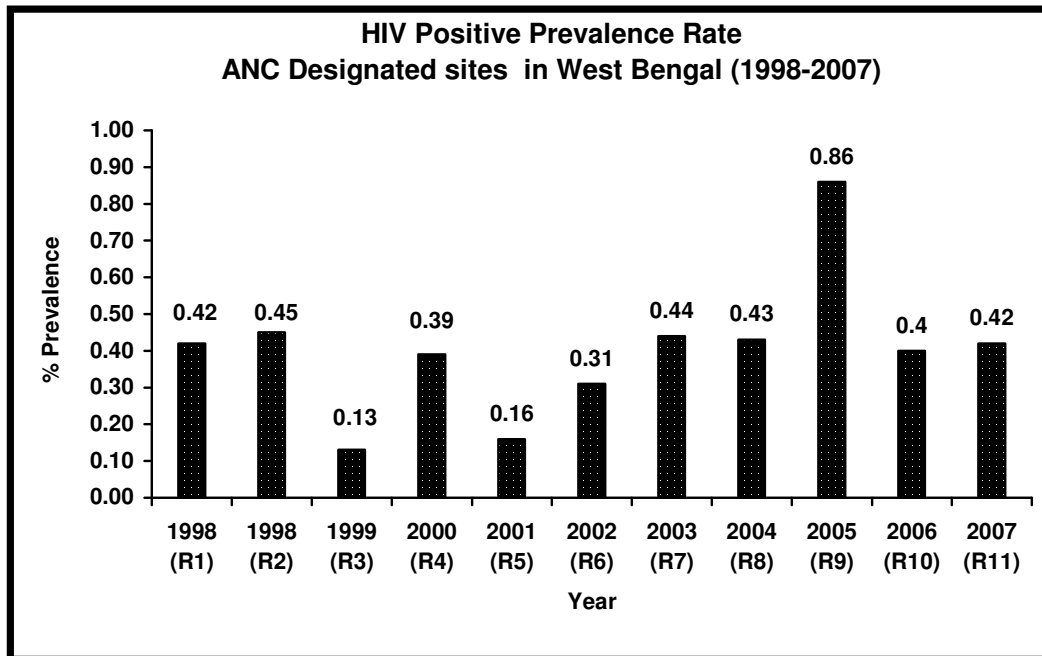
**Table 26: Year wise and Round wise HIV Prevalence Rate and 90 Percent Confidence Interval**

Year	Round	No. of samples		Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
		Tested	Positive				
1998	R1	1200	5	0.42	0.11	0.73	0.42
1998	R2	1320	6	0.45	0.15	0.75	
1999	R3	1537	2	0.13	-0.02	0.28	
2000	R4	1530	6	0.39	0.13	0.66	
2001	R5	3200	5	0.16	0.04	0.27	
2002	R6	3600	11	0.31	0.15	0.46	
2003	R7	3600	16	0.44	0.25	0.63	
2004	R8	3481	15	0.43	0.25	0.61	
2005	R9	3149	27	0.86	0.63	1.17	
2006	R10	4798	19	0.40	0.25	0.55	
2007	R11	4800	20	0.42	0.26	0.57	
	<b>Total</b>	<b>32215</b>	<b>132</b>	<b>0.41</b>	<b>0.36</b>	<b>0.47</b>	



**Table 27: ANC Clinics in West Bengal-2006-2007**

Designated ANC Sites		2006					2007				
District	Site Name	Sample Tested	HIV	HIV%	VDRL	VDRL %	Sample Tested	HIV	HIV%	VDRL	VDRL %
Birbhum	Suri SDH	400	0	0.00	1	0.25	-	-	-	-	-
Burdwan	Durgapur SDH	400	1	0.25	2	0.50	400	3	0.75	1	0.25
CoochBehar	Mathabhanga SDH	400	0	0.00	18	4.50	400	1	0.25	6	1.50
CoochBehar	Coochbehar MJN Hospital	-	-	-	-	-	-	-	-	-	-
Darjeeling	Siliguri SDH	400	0	0.00	10	2.50	400	2	0.50	9	2.25
Darjeeling	Darjeeling DH	-	-	-	-	-	-	-	-	-	-
Darjeeling	Kalinpong SDH	-	-	-	-	-	400	8	2.00	7	1.75
Purba Medinipur	Contai SDH	400	0	0.00	0	0.00	-	-	-	-	-
Purba Medinipur	Tamluk DH	-	-	-	-	-	-	-	-	-	-
Purba Medinipur	Basulia RH	400	0	0.00	0	0.00	-	-	-	-	-
Purba Medinipur	Egra SDH	-	-	-	-	-	400	0	0.00	0	0.00
Kolkata	Abinash Dutta MH	398	7	1.76	2	0.50	400	6	1.50	5	1.25
Kolkata	Bidya Sagar SDH	-	-	-	-	-	400	0	0.00	3	0.75
Malda	Manikchak RH	400	0	0.00	1	0.25	400	0	0.00	1	0.25
Malda	Maldah DH	-	-	-	-	-	-	-	-	-	-
North 24 PGS	Madhyamgram RH	400	1	0.25	5	1.25	400	0	0.00	1	0.25
Purulia	Raghunathpur SDH	400	1	0.25	1	0.25	400	0	0.00	0	0.00
Purulia	Purulia DH	-	-	-	-	-	-	-	-	-	-
South 24 PGS	Bijaygarh SGH	-	-	-	-	-	-	-	-	-	-
South 24 PGS	Baruipur SDH	400	0	0.00	1	0.25	400	0	0.00	3	0.75
Uttar Dinajpur	Raiganj Hospital	-	-	-	-	-	-	-	-	-	-
Uttar Dinajpur	Kaliaganj RH	400	9	2.25	5	1.25	400	0	0.00	5	1.25
	<b>Total</b>	<b>4798</b>	<b>19</b>	<b>0.40</b>	<b>46</b>	<b>0.96</b>	<b>4800</b>	<b>20</b>	<b>0.42</b>	<b>41</b>	<b>0.85</b>

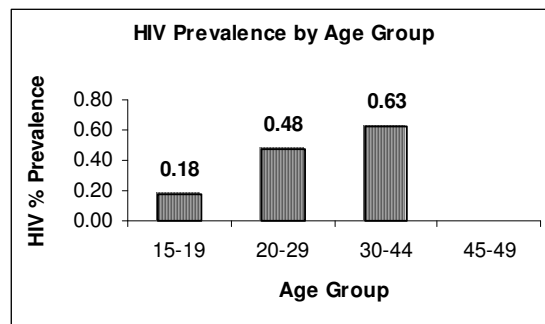


### 11.3. Findings ANC Sites-2007

<b>No of Sites</b>	13
<b>Sample Tested</b>	4800
<b>Found Positive</b>	20

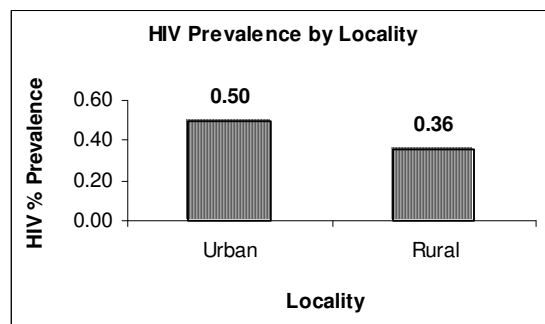
#### 1.HIV & VDRL Seropositive Status by Age Group

Age group	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
15-19	1119	2	0.18	3	0.27
20-29	3363	16	0.48	36	1.07
30-44	317	2	0.63	2	0.63
45-49	1	0	0.00	0	0.00
<b>Total</b>	<b>4800</b>	<b>20</b>	<b>0.42</b>	<b>41</b>	<b>0.85</b>



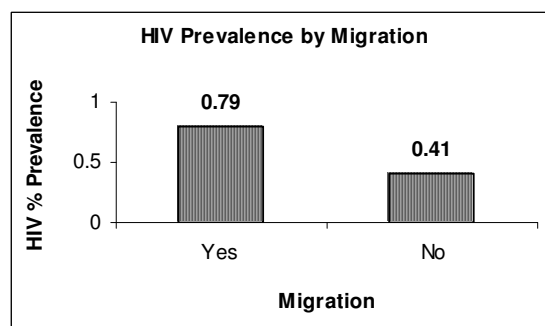
#### 2. HIV & VDRL Seropositive Status by Locality

Locality	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Urban	1997	10	0.50	18	0.90
Rural	2803	10	0.36	23	0.82
<b>Total</b>	<b>4800</b>	<b>20</b>	<b>0.42</b>	<b>41</b>	<b>0.85</b>



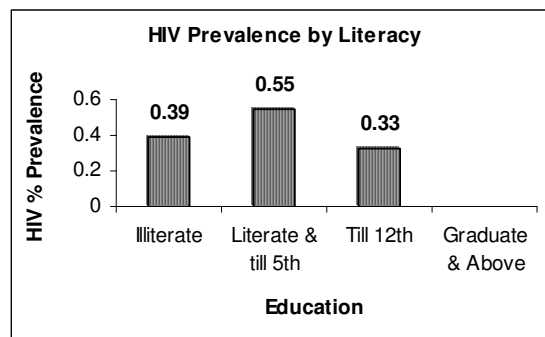
#### 3. HIV & VDRL Seropositive Status by Migration

Migrant	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Yes	126	1	0.79	1	0.79
No	4674	19	0.41	40	0.86
<b>Total</b>	<b>4800</b>	<b>20</b>	<b>0.42</b>	<b>41</b>	<b>0.85</b>



#### 4. HIV & VDRL Seropositive Status by Literacy

Education	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Illiterate	1285	5	0.39	14	1.09
Literate & till 5th	1632	9	0.55	18	1.1
Till 12th	1792	6	0.33	6	0.33
Graduate & above	91	0	0.00	3	3.3
<b>Total</b>	<b>4800</b>	<b>20</b>	<b>0.42</b>	<b>41</b>	<b>0.85</b>



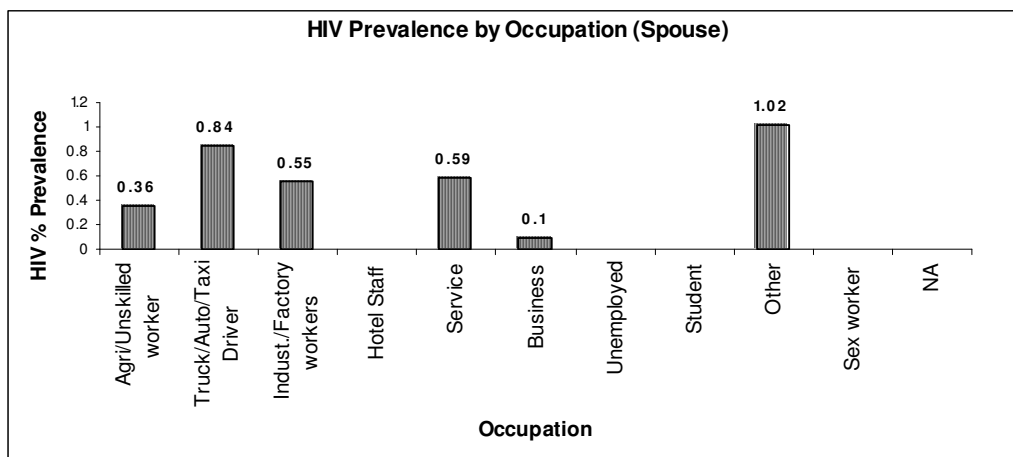
**5. HIV & VDRL Seropositive Status by Occupation (Self)**

Occupation	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Agri/Unskilled worker	155	0	0.00	1	0.65
Truck/Auto/Taxi Driver	0	0	0.00	0	0.00
Indust/Factory workers	4	0	0.00	0	0.00
Hotel Staff	3	0	0.00	0	0.00
Service Class People	27	0	0.00	1	3.70
Business	29	0	0.00	0	0.00
Unemployed	14	0	0.00	0	0.00
Student	3	0	0.00	0	0.00
Housewife	4534	20	0.44	39	0.86
Others	31	0	0.00	0	0.00
<b>Total</b>	<b>4800</b>	<b>20</b>	<b>0.42</b>	<b>41</b>	<b>0.85</b>

(\*All positives belong to the category of housewives)

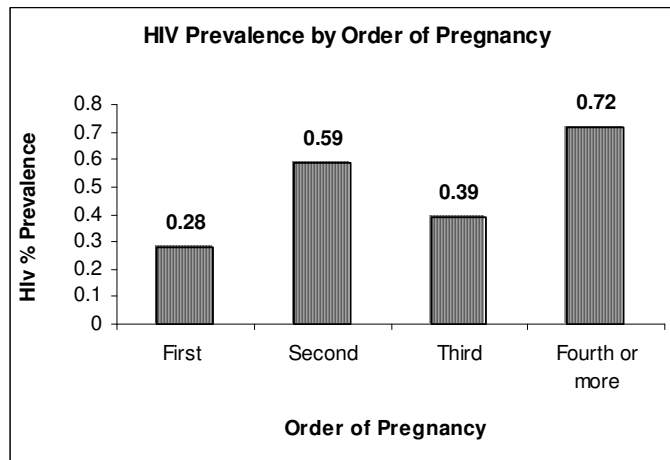
**6. HIV & VDRL Seropositive Status by Occupation (Spouse)**

Occupation	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Agri/Unskilled worker	2205	8	0.36	22	1
Truck/Auto/Taxi Driver	356	3	0.84	3	0.84
Indust/Factory workers	362	2	0.55	2	0.55
Hotel Staff	54	0	0.00	0	0.00
Service Class People	339	2	0.59	2	0.59
Business	969	1	0.1	10	1.03
Unemployed	114	0	0.00	0	0.00
Student	8	0	0.00	0	0.00
Others	392	4	1.02	2	0.51
Sex Worker	0	0	0.00	0	0.00
NA	1	0	0.00	0	0.00
<b>Total</b>	<b>4800</b>	<b>20</b>	<b>0.42</b>	<b>41</b>	<b>0.85</b>



**7. HIV & VDRL Seropositive Status by Order of Pregnancy**

Order of Pregnancy	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
First	2457	7	0.28	15	0.61
Second	1692	10	0.59	15	0.89
Third	513	2	0.39	9	1.75
Fourth or more	138	1	0.72	2	1.45
<b>Total</b>	<b>4800</b>	<b>20</b>	<b>0.42</b>	<b>41</b>	<b>0.85</b>



#### 11.4. HIV Sentinel Surveillance Survey Analysis-STD Sites

##### Individual Site Report: Round wise HIV Prevalence Rate and 90 percent Confidence Interval

**Table 1: STD Centre, Medical College Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
1-1998	300	12	4.00	2.14	5.86	4.00
2-1998	250	6	2.39	0.8	3.98	
3-1999	250	6	2.39	0.8	3.98	
4-2000	247	8	3.24	1.39	5.09	
5-2001	250	6	2.40	0.81	3.99	
6-2002	177	11	6.21	3.22	9.21	
7-2003	250	24	9.60	6.54	12.66	
8-2004	233	46	19.74	15.45	24.03	
9-2005	250	12	4.80	2.58	7.02	
10-2006	250	9	3.60	1.66	5.54	
11-2007	222	11	4.96	2.56	7.35	
<b>Total</b>	<b>2679</b>	<b>151</b>	<b>5.64</b>	<b>4.90</b>	<b>6.37</b>	

(Started since 1998)

**Table 2: STD Centre, North Bengal Medical College Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
1-1998	250	4	1.60	0.29	2.91	
2-1998	200	4	2.00	0.37	3.63	
<b>Total</b>	<b>450</b>	<b>8</b>	<b>1.78</b>	<b>0.75</b>	<b>2.80</b>	

(Started since 1998)

**Table 3: STD Centre, Bankura Sammilani Medical College Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
1-1998	225	2	0.89	-0.14	1.92	0.64
2-1998	250	2	0.80	-0.13	1.73	
3-1999	224	1	0.45	-0.29	1.18	
4-2000	250	1	0.40	-0.26	1.06	
5-2001	240	3	1.25	0.07	2.43	
6-2002	215	1	0.47	-0.30	1.23	
7-2003	250	4	1.60	0.29	2.91	
8-2004	204	0	0.00	0.00	0.00	
9-2005	199	3	1.51	0.09	2.93	
10-2006	250	1	0.40	-0.26	1.06	
11-2007	250	0	0.00	0.00	0.00	
<b>Total</b>	<b>2307</b>	<b>18</b>	<b>0.78</b>	<b>0.48</b>	<b>1.08</b>	

(Started since 1998)

**Table 4: STD Centre, Burdwan Medical College Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
2-1998	250	0	0.00	0.00	0.00	<b>0.40</b>
3-1999	228	1	0.44	-0.28	1.16	
4-2000	250	1	0.40	-0.26	1.06	
5-2001	250	1	0.40	-0.26	1.06	
6-2002	250	0	0.00	0.00	0.00	
7-2003	250	1	0.40	-0.26	1.06	
8-2004	244	2	0.82	-0.13	1.77	
9-2005	245	5	2.04	0.55	3.53	
10-2006	249	1	0.40	-0.26	1.06	
11-2007	250	1	0.40	-0.26	1.06	
<b>Total</b>	<b>2466</b>	<b>13</b>	<b>0.53</b>	<b>0.29</b>	<b>0.77</b>	

(Started since 1998)

**Table 5: STD Centre, Cooch Bihar Sadar Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
3-1999	116	3	2.59	0.16	5.01	<b>1.18</b>
4-2000	102	2	1.96	-0.30	4.22	
5-2001	250	0	0.00	0.00	0.00	
6-2002	250	1	0.40	-0.26	1.06	
<b>Total</b>	<b>718</b>	<b>6</b>	<b>0.84</b>	<b>0.28</b>	<b>1.40</b>	

(Started since 1999)

**Table 6: STD Centre, M.R. Bangur Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
4-2000	252	7	2.78	1.07	4.48	<b>1.99</b>
5-2001	250	2	0.80	-0.13	1.73	
6-2002	250	7	2.80	1.08	4.52	
7-2003	250	10	4.00	1.96	6.04	
8-2004	250	3	1.20	0.07	2.33	
9-2005	247	8	3.24	1.39	5.09	
10-2006	250	1	0.40	-0.26	1.06	
11-2007	250	2	0.80	-0.13	1.73	
<b>Total</b>	<b>1999</b>	<b>40</b>	<b>2.00</b>	<b>1.49</b>	<b>2.52</b>	

(Started since 2000)

**Table 7: STD Centre, Malda Sadar Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
5-2001	250	0	0.00	0.00	0.00	
<b>Total</b>	<b>250</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

(Started since 2001)

**Table 8: STD Centre, Balurghat District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
6-2002	250	1	0.40	-0.26	1.06	<b>1.00</b>
7-2003	238	3	1.26	0.07	2.45	
8-2004	243	1	0.41	-0.27	1.09	
9-2005	176	4	2.27	0.42	4.12	
10-2006	249	3	1.20	0.06	2.35	
11-2007	250	2	0.80	-0.13	1.73	
<b>Total</b>	<b>1406</b>	<b>14</b>	<b>1.00</b>	<b>0.56</b>	<b>1.43</b>	

(Started since 2002)

**Table 9: STD Centre, Baharampur Sadar Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
6-2002	250	5	2.00	0.54	3.46	<b>4.40</b>
7-2003	250	10	4.00	1.96	6.04	
8-2004	243	4	1.65	0.31	2.99	
9-2005	250	12	4.80	2.58	7.02	
10-2006	250	12	4.80	2.58	7.02	
11-2007	250	13	5.20	2.89	7.51	
<b>Total</b>	<b>1493</b>	<b>56</b>	<b>3.75</b>	<b>2.94</b>	<b>4.56</b>	

(Started since 2002)

**Table 10: STD Centre, Krishnagar District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
6-2002	214	1	0.47	-0.30	1.24	<b>0.81</b>
7-2003	250	3	1.20	0.07	2.33	
8-2004	244	2	0.82	-0.13	1.77	
9-2005	215	2	0.93	-0.15	2.01	
10-2006	250	2	0.80	-0.13	1.73	
11-2007	249	0	0.00	0.00	0.00	
<b>Total</b>	<b>1422</b>	<b>10</b>	<b>0.70</b>	<b>0.34</b>	<b>1.07</b>	

(Started since 2002)



**Table 11: STD Centre, Haldia Sub Divisional Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
6-2002	250	20	8.00	5.17	10.83	<b>2.04</b>
7-2003	249	4	1.61	0.30	2.92	
8-2004	244	6	2.46	0.83	4.09	
9-2005	250	4	1.60	0.29	2.91	
<b>Total</b>	<b>993</b>	<b>34</b>	<b>3.42</b>	<b>2.47</b>	<b>4.37</b>	

(Started since 2002)

**Table 12: STD Centre, Jalpaiguri District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	3	1.20	0.07	2.33	<b>0.80</b>
8-2004	250	0	0.00	0.00	0.00	
9-2005	249	0	0.00	0.00	0.00	
10-2006	250	2	0.80	-0.13	1.73	
11-2007	250	5	2.00	0.54	3.46	
<b>Total</b>	<b>1249</b>	<b>10</b>	<b>0.80</b>	<b>0.39</b>	<b>1.22</b>	

(Started since 2003)

**Table 13: STD Centre, R.G.Kar MCH**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	155	2	1.29	-0.20	2.78	
<b>Total</b>	<b>155</b>	<b>2</b>	<b>1.29</b>	<b>-0.20</b>	<b>2.78</b>	

(Started since 2003)

**Table 14: STD Centre, Howrah District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
8-2004	213	2	0.94	-0.15	2.03	<b>1.37</b>
9-2005	199	6	3.02	1.03	5.01	
10-2006	223	4	1.79	0.33	3.26	
11-2007	214	0	0.00	0.00	0.00	
<b>Total</b>	<b>849</b>	<b>12</b>	<b>1.41</b>	<b>0.75</b>	<b>2.08</b>	

(Started since 2004)

**Table 15: STD Centre, Hoogly District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	147	5	3.40	0.94	5.86	3.20
10-2006	250	8	3.20	1.36	5.04	
11-2007	250	6	2.40	0.81	3.99	
<b>Total</b>	<b>647</b>	<b>19</b>	<b>2.94</b>	<b>1.84</b>	<b>4.03</b>	

(Started since 2005)

**Table 16: STD Centre, Medinipur Medical College Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	84	1	1.19	-0.76	3.14	1.19
10-2006	247	2	0.81	-0.13	1.75	
11-2007	250	3	1.20	0.07	2.33	
<b>Total</b>	<b>581</b>	<b>6</b>	<b>1.03</b>	<b>0.34</b>	<b>1.72</b>	

(Started since 2005)

**Table 17: STD Centre, Darjeeling District Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
10-2006	184	4	2.17	0.40	3.95	
<b>Total</b>	<b>184</b>	<b>4</b>	<b>2.17</b>	<b>0.40</b>	<b>3.95</b>	

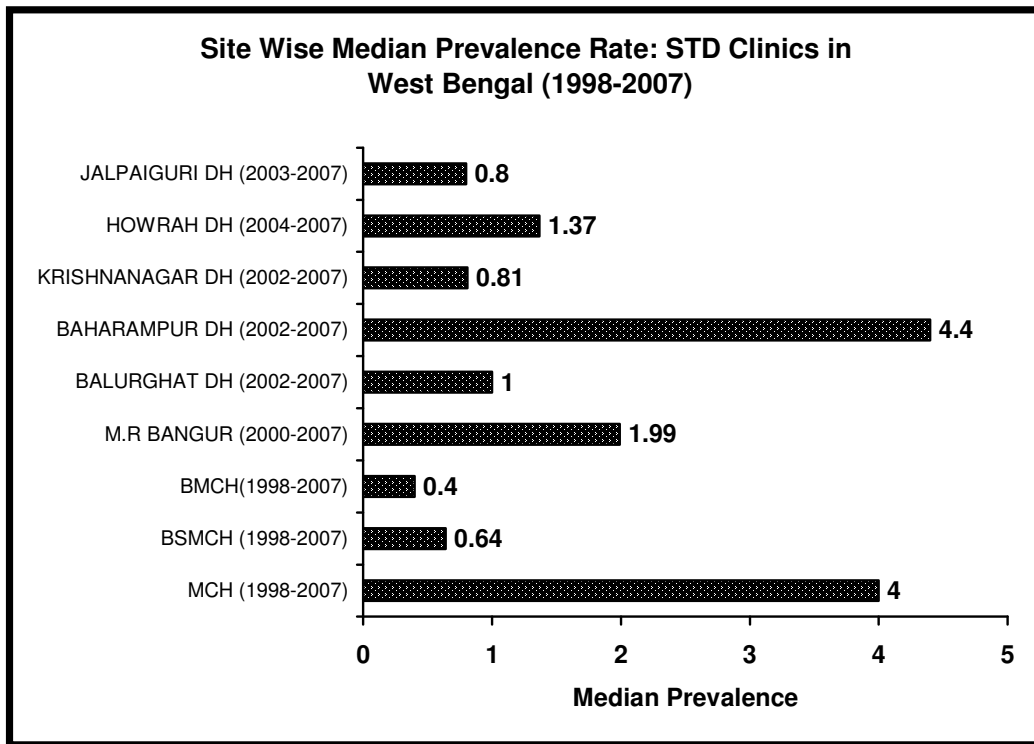
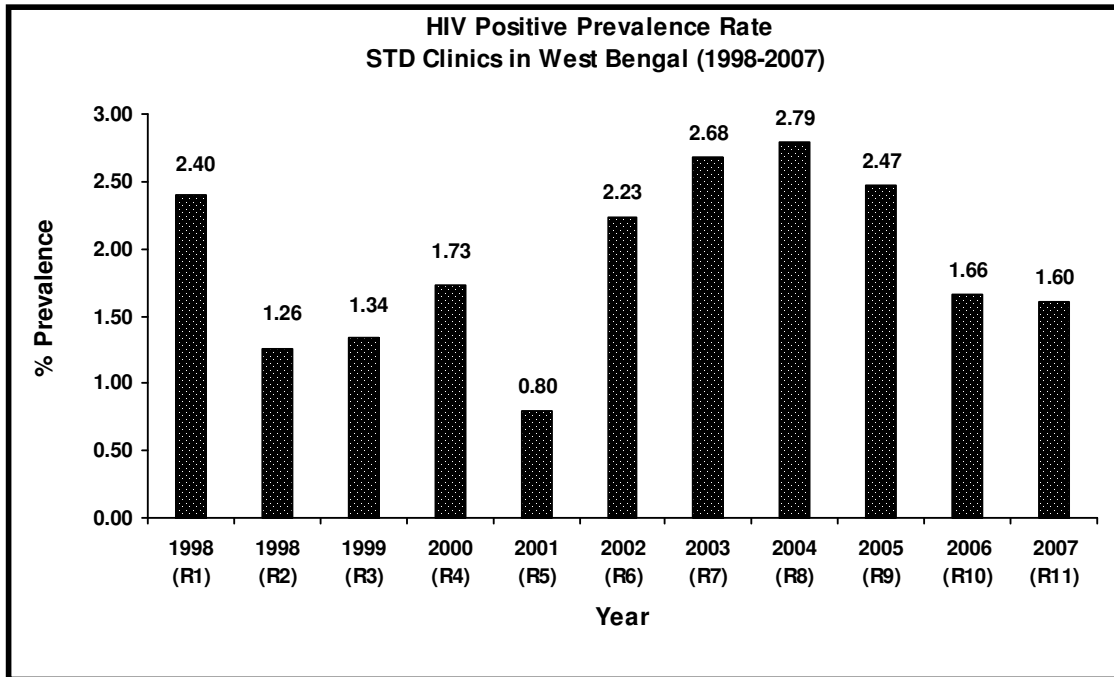
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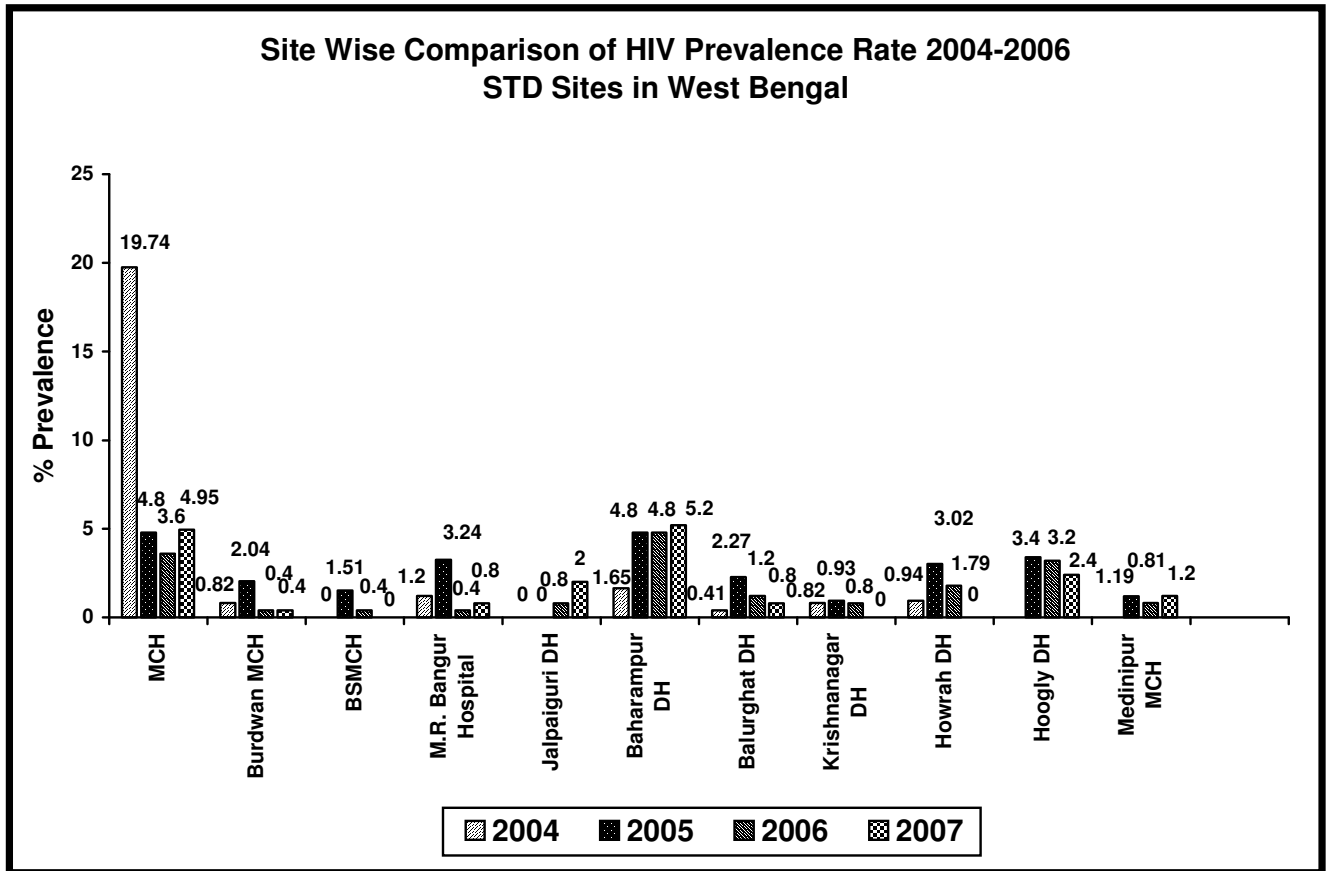
**Table 18: Year wise and Round wise HIV Prevalence Rate and 90 Percent Confidence Interval**

Year	Round	No. of Samples		% Prevalence	Lower CI %	Upper CI %	Median Prevalence
		Tested	Positive				
1998	R1	750	18	2.4	1.43	3.21	1.73
1998	R2	951	12	1.26	0.67	1.86	
1999	R3	819	11	1.34	0.68	2.00	
2000	R4	1101	19	1.73	1.08	2.37	
2001	R5	1493	12	0.81	0.42	1.19	
2002	R6	2106	47	2.23	1.70	2.76	
2003	R7	2392	64	2.68	2.13	3.22	
2004	R8	2368	66	2.79	2.23	3.35	
2005	R9	2511	62	2.47	1.96	2.98	
2006	R10	2718	45	1.66	1.29	2.08	
2007	R11	2685	43	1.60	1.20	2.00	
	<b>Total</b>	<b>19894</b>	<b>399</b>	<b>2.01</b>	<b>1.84</b>	<b>2.17</b>	

**Table 19: STD Clinics in West Bengal:2005-2006**

Sl. No	District	Site Name	2006				2007					
			Sample Tested	HIV	HIV %	VDRL	VDRL %	Sample Tested	HIV	HIV %	VDRL	VDRL %
1.	Bankura	BSMCH	250	1	0.40	2	0.8	250	0	0.00	3	1.20
2.	Burdwan	Burdwan MCH	249	1	0.40	10	4.0	250	1	0.40	27	10.80
3.	Dakshin Dinajpur	Balurghat Sadar Hospital	249	3	1.20	1	0.4	250	2	0.80	4	1.60
4.	Purba Medinipur	Haldia SDH	-	-	-	-	-	-	-	-	-	-
5.	Hoogly	Hoogly District Hospital	250	8	3.20	3	1.2	250	6	2.40	2	0.80
6.	Howrah	Howrah DH	223	4	1.79	11	4.9	214	0	0.00	8	3.74
7.	Jalpaiguri	Jalpaiguri DH	250	2	0.80	17	6.8	250	5	2.00	1	0.40
8.	Kolkata	Medical College & Hospital	250	9	3.60	14	5.6	222	11	4.95	6	2.70
9.	Murshidabad	Bahrapur DH	250	12	4.80	6	2.4	250	13	5.20	2	0.80
10.	Nadia	Krishnanagar Sadar Hospital	250	2	0.80	1	0.4	249	0	0.00	5	2.01
11.	Paschim Medinipur	Mednipur Medical College Hospital	247	2	0.81	3	1.2	250	3	1.20	0	0.00
12.	South 24 Parganas	M.R Bangur Hospital	250	1	0.40	3	1.2	250	2	0.80	4	1.60
		<b>Total</b>	<b>2718</b>	<b>45</b>	<b>1.66</b>	<b>71</b>	<b>2.61</b>	<b>2685</b>	<b>43</b>	<b>1.60</b>	<b>62</b>	<b>2.31</b>



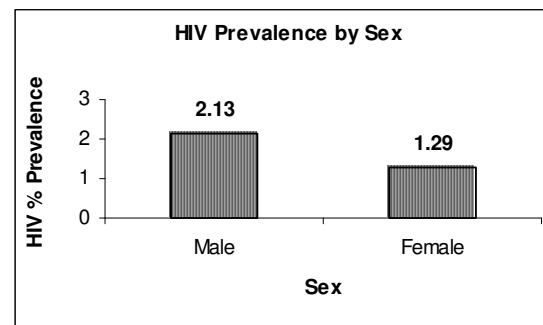


### 11.5. Findings STD Sites-2007

No of Sites	11
Sample Tested	2685
Found Positive	43

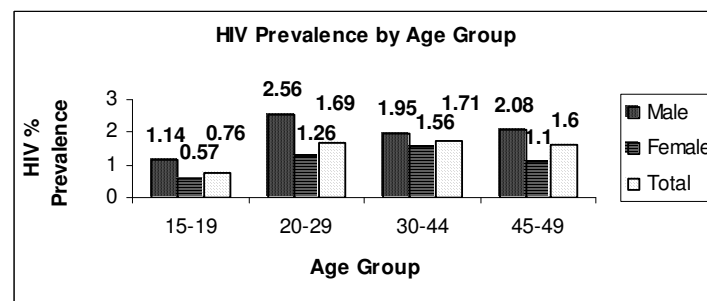
#### 1. HIV & VDRL Seropositive Status by Sex

Sex	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Male	985	21	2.13	37	3.76
Female	1700	22	1.29	25	1.47
<b>Total</b>	<b>2685</b>	<b>43</b>	<b>1.60</b>	<b>62</b>	<b>2.31</b>



#### 2. HIV & VDRL Seropositive Status by Age Group

Age group	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDR L +ve	% Positive
15- 19	88	1	1.14	0	0.00	175	1	0.57	1	0.57	263	2	0.76	1	0.38
20-29	391	10	2.56	19	4.86	794	10	1.26	14	1.76	1185	20	1.69	33	2.78
30-44	410	8	1.95	14	3.41	640	10	1.56	8	1.25	1050	18	1.71	22	2.10
45 -49	96	2	2.08	4	4.17	91	1	1.10	2	2.20	187	3	1.60	6	3.21
<b>Total</b>	<b>985</b>	<b>21</b>	<b>2.13</b>	<b>37</b>	<b>3.76</b>	<b>1700</b>	<b>22</b>	<b>1.29</b>	<b>25</b>	<b>1.47</b>	<b>2685</b>	<b>43</b>	<b>1.60</b>	<b>62</b>	<b>2.31</b>



### 3. HIV & VDRL Seropositive Status by Locality

Locality	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Urban	436	6	1.38	19	4.36	599	7	1.17	15	2.50	1035	13	1.26	34	3.29
Rural	549	15	2.73	18	3.28	1101	15	1.36	10	0.91	1650	30	1.82	28	1.70
<b>Total</b>	<b>985</b>	<b>21</b>	<b>2.13</b>	<b>37</b>	<b>3.76</b>	<b>1700</b>	<b>22</b>	<b>1.29</b>	<b>25</b>	<b>1.47</b>	<b>2685</b>	<b>43</b>	<b>1.60</b>	<b>62</b>	<b>2.31</b>

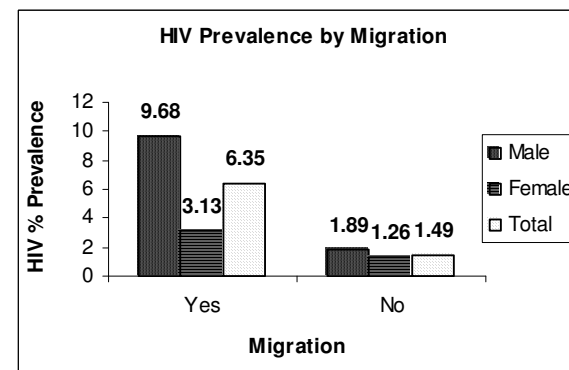
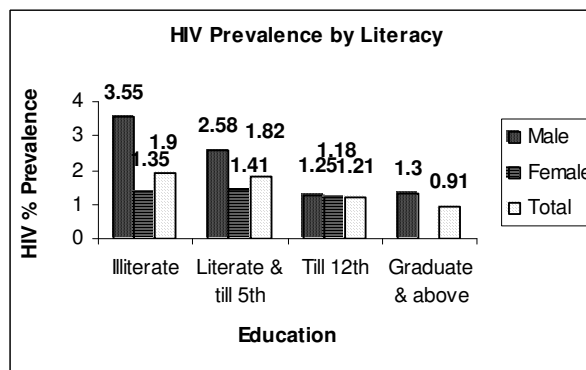
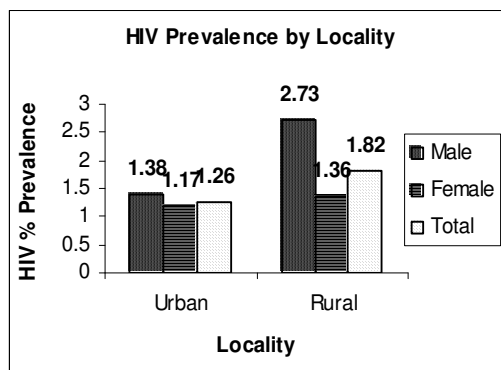
### 4. HIV & VDRL Seropositive Status by Migration

Migrant	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Yes	31	3	9.68	1	3.23	32	1	3.13	0	0.00	63	4	6.35	1	1.59
No	954	18	1.89	36	3.77	1668	21	1.26	25	1.50	2622	39	1.49	61	2.33
<b>Total</b>	<b>985</b>	<b>21</b>	<b>2.13</b>	<b>37</b>	<b>3.76</b>	<b>1700</b>	<b>22</b>	<b>1.29</b>	<b>25</b>	<b>1.47</b>	<b>2685</b>	<b>43</b>	<b>1.60</b>	<b>62</b>	<b>2.31</b>

### 5. HIV & VDRL Seropositive Status by Literacy

Education	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Illiterate	197	7	3.55	8	4.06	592	8	1.35	10	1.69	789	15	1.90	18	2.28
Literate & till 5th	310	8	2.58	12	3.87	567	8	1.41	8	1.41	877	16	1.82	20	2.28
Till 12th	401	5	1.25	13	3.24	508	6	1.18	7	1.38	909	11	1.21	20	2.20
Graduate & above	77	1	1.30	4	5.19	33	0	0.00	0	0.00	110	1	0.91	4	3.64
<b>Total</b>	<b>985</b>	<b>21</b>	<b>2.13</b>	<b>37</b>	<b>3.76</b>	<b>1700</b>	<b>22</b>	<b>1.29</b>	<b>25</b>	<b>1.47</b>	<b>2685</b>	<b>43</b>	<b>1.60</b>	<b>62</b>	<b>2.31</b>

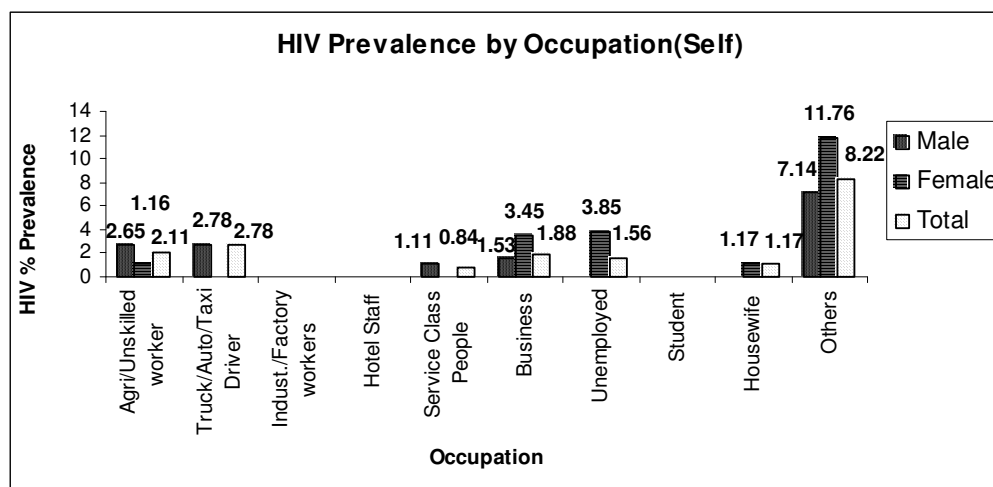
HIV Sentinel Surveillance West Bengal 2007



6. HIV & VDRL Seropositive Status by Occupation (Self)

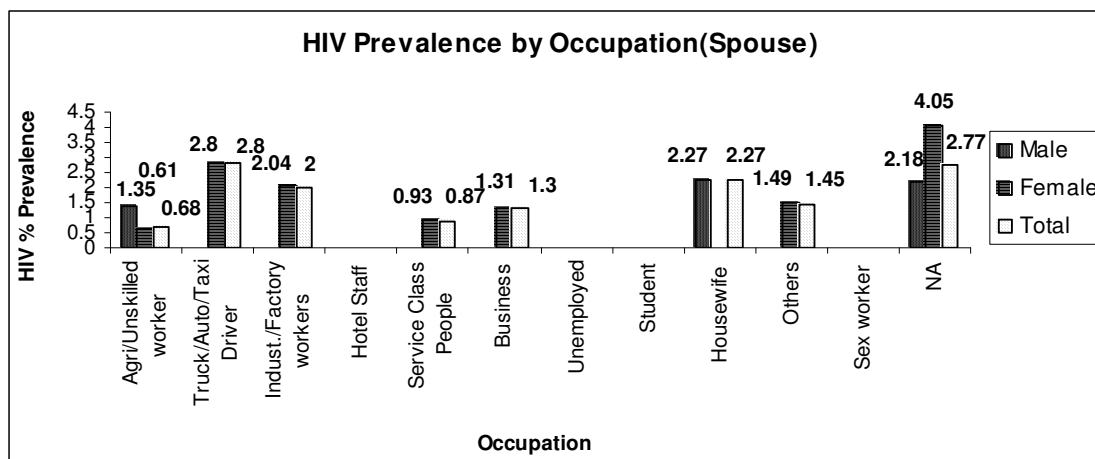
Occupation	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Agri/Unskilled worker	453	12	2.65	17	3.75	258	3	1.16	6	2.33	711	15	2.11	23	3.23
Truck/Auto/Taxi Driver	72	2	2.78	3	4.17	0	0	-	0	-	72	2	2.78	3	4.17
Indust./Factory workers	54	0	0.00	2	3.70	13	0	0.00	0	0.00	67	0	0.00	2	2.99
Hotel Staff	20	0	0.00	2	10.00	1	0	0.00	0	0.00	21	0	0.00	2	9.52
Service Class People	90	1	1.11	3	3.33	29	0	0.00	1	3.45	119	1	0.84	4	3.36
Business	131	2	1.53	4	3.05	29	1	3.45	0	0.00	160	3	1.88	4	2.50
Unemployed	38	0	0.00	4	10.53	26	1	3.85	2	7.69	64	1	1.56	6	9.38
Student	71	0	0.00	1	1.41	37	0	0.00	0	0.00	108	0	0.00	1	0.93
Housewife	0	0	-	0	-	1285	15	1.17	16	1.25	1285	15	1.17	16	1.25
Others	56	4	7.14	1	1.79	17	2	11.76	0	0.00	73	6	8.22	1	1.37
Sex Worker	0	0	-	0	-	5	0	0.00	0	0.00	5	0	0.00	0	0.00
<b>Total</b>	<b>985</b>	<b>21</b>	<b>2.13</b>	<b>37</b>	<b>3.76</b>	<b>1700</b>	<b>22</b>	<b>1.29</b>	<b>25</b>	<b>1.47</b>	<b>2685</b>	<b>43</b>	<b>1.60</b>	<b>62</b>	<b>2.31</b>





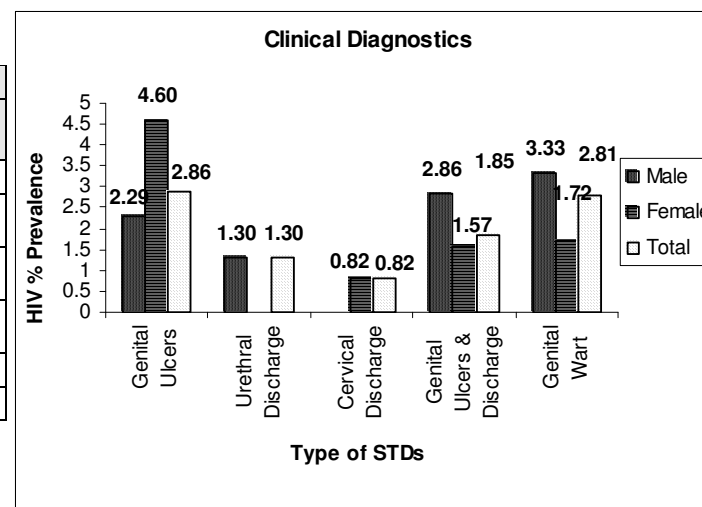
7. HIV & VDRL Seropositive Status by Occupation (Spouse)

Occupation	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Agri/Unskilled worker	74	1	1.35	2	2.70	814	5	0.61	9	1.11	888	6	0.68	11	1.24
Truck/Auto/Taxi Driver	0	0	-	0	-	107	3	2.80	2	1.87	107	3	2.80	2	1.87
Indust./Factory workers	2	0	0.00	1	50.00	98	2	2.04	0	0.00	100	2	2.00	1	1.00
Hotel Staff	0	0	-	0	-	21	0	0.00	0	0.00	21	0	0.00	0	0.00
Service Class People	7	0	0.00	1	14.29	108	1	0.93	2	1.85	115	1	0.87	3	2.61
Business	3	0	0.00	0	0.00	305	4	1.31	5	1.64	308	4	1.30	5	1.62
Unemployed	1	0	0.00	0	0.00	32	0	0.00	0	0.00	33	0	0.00	0	0.00
Student	2	0	0.00	0	0.00	0	0	-	0	-	2	0	0.00	0	0.00
Housewife	573	13	2.27	26	4.54	0	0	-	0	-	573	13	2.27	26	4.54
Others	2	0	0.00	1	50.00	67	1	1.49	3	4.48	69	1	1.45	4	5.80
Sex Worker	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00
NA	321	7	2.18	6	1.87	148	6	4.05	4	2.70	469	13	2.77	10	2.13
<b>Total</b>	<b>985</b>	<b>21</b>	<b>2.13</b>	<b>37</b>	<b>3.76</b>	<b>1700</b>	<b>22</b>	<b>1.29</b>	<b>25</b>	<b>1.47</b>	<b>2685</b>	<b>43</b>	<b>1.60</b>	<b>62</b>	<b>2.31</b>



### 7. Clinical Diagnostics

Education	Sample Tested	Male		Female			Total		
		HIV +ve	% Positive	Sample Tested	HIV +ve	% Positive	Sample Tested	HIV +ve	% Positive
Genital Ulcers	525	12	2.29	174	8	4.60	699	20	2.86
Urethral Discharge	308	4	1.30				308	4	1.30
Cervical Discharge				1349	11	0.82	1349	11	0.82
Genital Ulcers & Discharge	35	1	2.86	127	2	1.57	162	3	1.85
Genital Wart	120	4	3.33	58	1	1.72	178	5	2.81
<b>Total</b>	<b>985</b>	<b>21</b>	<b>2.13</b>	<b>1700</b>	<b>22</b>	<b>1.29</b>	<b>2685</b>	<b>43</b>	<b>1.60</b>



### 11.6. HIV Sentinel Surveillance Survey Analysis-FSW Sites

#### Individual Site Report: Round wise HIV Prevalence Rate and 90 percent Confidence Interval

**Table 1: FSW Centre, SHIP TI Project**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	24	9.60	6.54	12.66	<b>7.60</b>
8-2004	250	9	3.60	1.66	5.54	
9-2005	250	26	10.40	7.22	13.58	
10-2006	250	19	7.60	4.83	10.37	
11-2007	250	13	5.20	2.89	7.51	
<b>Total</b>	<b>1250</b>	<b>91</b>	<b>7.28</b>	<b>6.07</b>	<b>8.49</b>	

(Started since 2003)

**Table 2: FSW Centre, CWRC Diamond Harbour Road TI Project**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	11	4.40	2.27	6.53	<b>4.40</b>
8-2004	250	4	1.60	0.29	2.91	
9-2005	250	20	8.00	5.18	10.82	
10-2006	250	8	3.20	1.36	5.04	
11-2007	250	13	5.20	2.89	7.51	
<b>Total</b>	<b>1250</b>	<b>56</b>	<b>4.48</b>	<b>3.52</b>	<b>5.44</b>	

(Started since 2003)

**Table 3: FSW Centre, DMSC Centre, Durgapur TI Project**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	19	7.60	4.84	10.36	<b>6.80</b>
8-2004	250	11	4.40	2.27	6.53	
9-2005	250	17	6.80	4.18	9.42	
10-2006	250	20	8.00	5.17	10.83	
11-2007	250	15	6.00	3.53	8.47	
<b>Total</b>	<b>1250</b>	<b>82</b>	<b>6.56</b>	<b>5.41</b>	<b>7.71</b>	

(Started since 2003)

**Table 4: FSW Centre Jalpaiguri- CSWs TI Project**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	23	9.20	6.19	12.21	<b>6.00</b>
8-2004	250	14	5.60	3.21	7.99	
9-2005	50	3	6.00	0.48	11.52	
10-2006	224	20	8.93	5.78	12.07	
11-2007	250	13	5.20	2.89	7.51	
<b>Total</b>	<b>1024</b>	<b>73</b>	<b>7.13</b>	<b>5.81</b>	<b>8.45</b>	

(Started since 2003)

**Table 5: FSW Centre, SPMUS Beharampur CSWs TI Project**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	15	6.00	3.53	8.47	<b>2.00</b>
8-2004	250	5	2.00	0.54	3.46	
9-2005	118	3	2.54	0.16	4.92	
10-2006	250	5	2.00	0.54	3.46	
11-2007	250	3	1.20	0.07	2.33	
<b>Total</b>	<b>1118</b>	<b>31</b>	<b>2.77</b>	<b>1.97</b>	<b>3.58</b>	

(Started since 2003)

**Table 6 FSW Centre, Haldia CSWs TI Project**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	5	2.00	0.54	3.46	<b>8.00</b>
8-2004	250	24	9.60	6.54	12.66	
9-2005	250	20	8.00	5.18	10.82	
10-2006	250	22	8.80	5.85	11.75	
11-2007	250	13	5.20	2.89	7.51	
<b>Total</b>	<b>1250</b>	<b>84</b>	<b>6.72</b>	<b>5.56</b>	<b>7.88</b>	

(Started since 2003)

**Table 7: FSW Centre, DMSC TI Project**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	16	6.40	3.85	8.95	<b>2.33</b>
8-2004	250	5	2.00	0.54	3.46	
9-2005	215	5	2.33	0.64	4.02	
<b>Total</b>	<b>715</b>	<b>26</b>	<b>3.64</b>	<b>2.48</b>	<b>4.79</b>	

(Started since 2003)

**Table 8: FSW Centre, DMSC Khalpara ,Panjipara TI Project**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	250	35	14.00	10.39	17.61	<b>8.00</b>
10-2006	238	18	7.56	4.74	10.39	
11-2007	250	20	8.00	5.18	10.82	
<b>Total</b>	<b>738</b>	<b>73</b>	<b>9.89</b>	<b>8.08</b>	<b>11.70</b>	

(Started since 2005)

**Table 9: FSW Centre, DMSC Ghatal, Kharagpur TI Project FSWs**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	163	8	4.91	2.13	7.69	
<b>Total</b>	<b>163</b>	<b>8</b>	<b>4.91</b>	<b>2.13</b>	<b>7.69</b>	

(Started since 2005)

**Table 10: FSW Centre, SBMS Basirhat, TI Project FSWs**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
10-2006	248	8	3.23	1.37	5.08	
11-2007	248	12	4.84	2.60	7.08	
<b>Total</b>	<b>496</b>	<b>20</b>	<b>4.03</b>	<b>2.58</b>	<b>5.49</b>	

(Started since 2006)

**Table 11: FSW Centre, DMSC Islampur/Panjipara TI Project FSWs**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
11-2007	250	31	12.40	8.97	15.83	
<b>Total</b>	<b>250</b>	<b>31</b>	<b>12.40</b>	<b>8.97</b>	<b>15.83</b>	

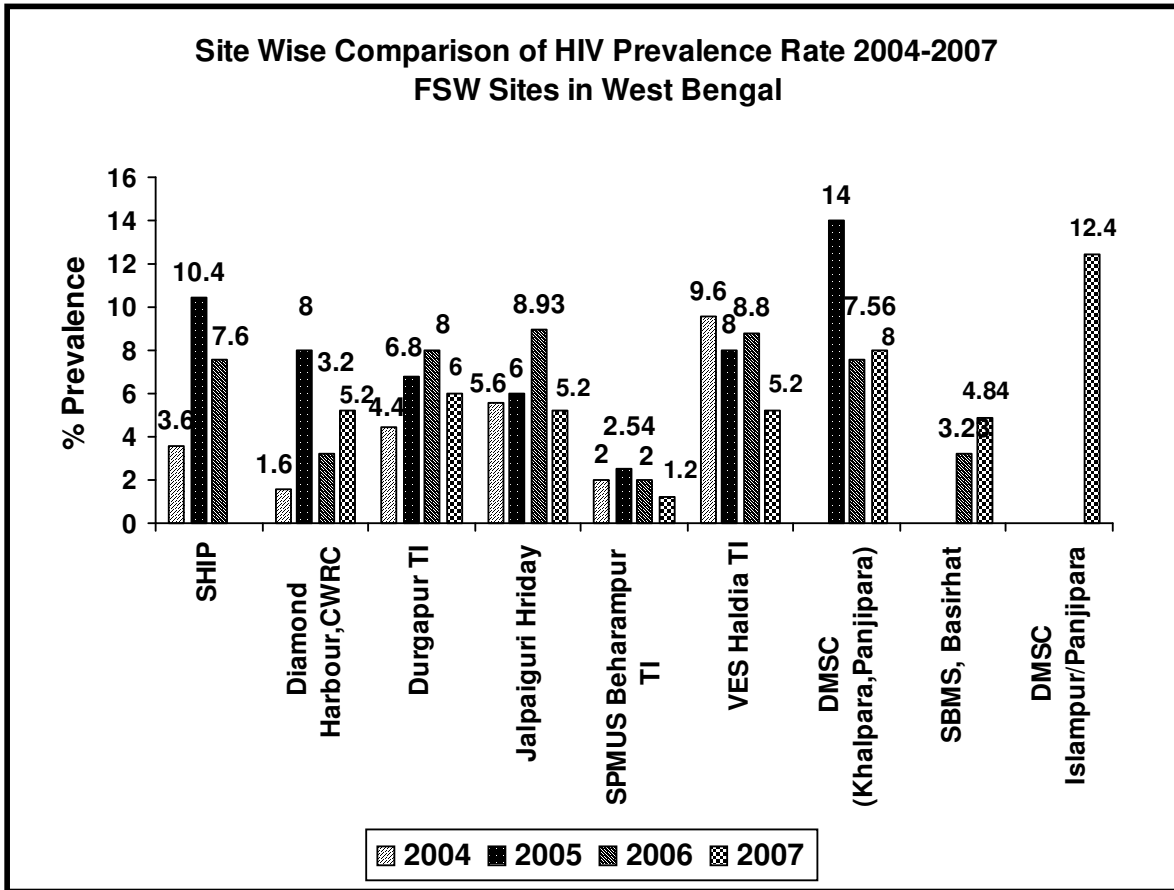
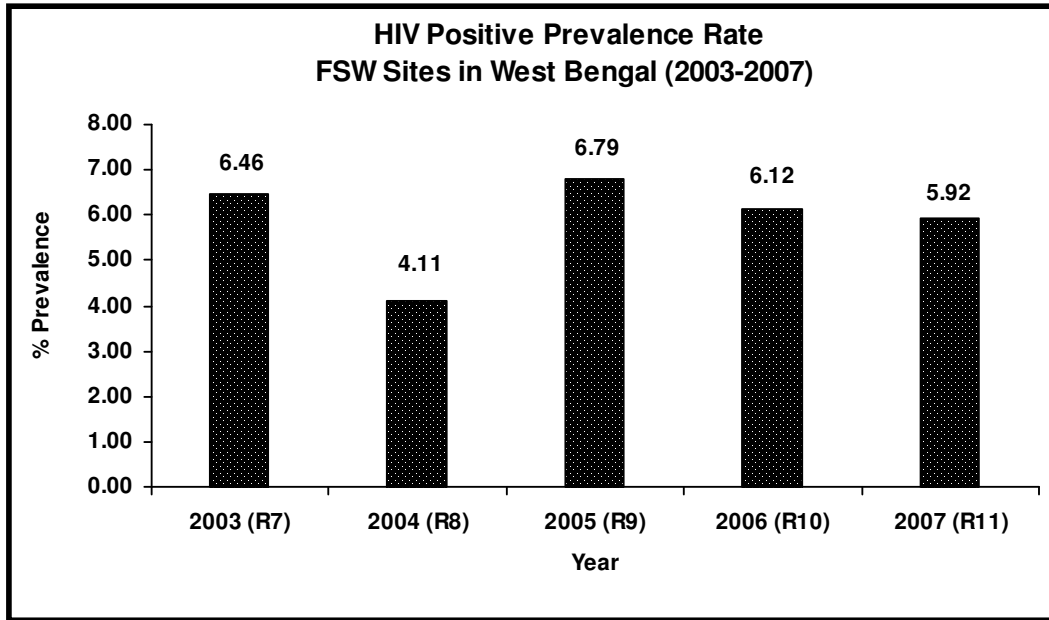
(New Site)

**Table 12: Year wise and Round wise HIV Prevalence Rate and 90 Percent Confidence Interval**

Year	Round	No. of Samples		% Prevalence	Lower CI %	Upper CI %	Median Prevalence
		Tested	Positive				
2003	R7	1750	113	6.46	5.49	7.43	<b>6.12</b>
2004	R8	1750	72	4.11	3.33	4.89	
2005	R9	1383	94	6.79	6.60	8.66	
2006	R10	1960	120	6.12	5.23	7.02	
2007	R11	2248	133	5.92	5.10	6.74	
	<b>Total</b>	<b>9091</b>	<b>532</b>	<b>5.85</b>	<b>5.45</b>	<b>6.26</b>	

**Table 13: FSW Clinics in West Bengal**

Sl. No	District	Site Name	2006					2007				
			Sample Tested	HIV	HIV %	VDRL	VDRL %	Sample Tested	HIV	HIV %	VDRL	VDRL %
1	Burdwan	DMSC Durgapur TI	250	20	8.00	26	10.40	250	15	6.00	45	18.00
2	Darjeeling	DMSC, Khalpara	238	18	7.56	40	16.81	250	20	8.00	43	17.20
3	Jalpaiguri	Jalapaiguri TI Hriday	224	20	8.93	38	16.96	250	13	5.20	53	21.20
4	Kolkata	DMSC_Kolkata	-	-	-	-	-	-	-	-	-	-
5	Kolkata	SHIP	250	19	7.60	7	2.80	250	13	5.20	17	6.80
6	Murshidabad	SPMUS Behrampur TI	250	5	2.00	11	4.40	250	3	1.20	14	5.60
7	North 24 Parganas	SBMS(TI) Basirhat	248	8	3.23	4	1.61	248	12	4.84	2	0.81
8	Purba Medinipur	VES Haldia TI	250	22	8.80	3	1.20	250	13	5.20	2	0.80
9	South 24 Parganas	CWRC Diamond Harbour TI project	250	8	3.20	7	2.80	250	13	5.20	13	5.20
10.	Uttar Dinajpur	DMSC Islampur/Panjipara	-	-	-	-	-	250	31	12.40	26	10.40
<b>Total</b>			<b>1960</b>	<b>120</b>	<b>6.12</b>	<b>136</b>	<b>6.94</b>	<b>2248</b>	<b>133</b>	<b>5.92</b>	<b>215</b>	<b>9.56</b>

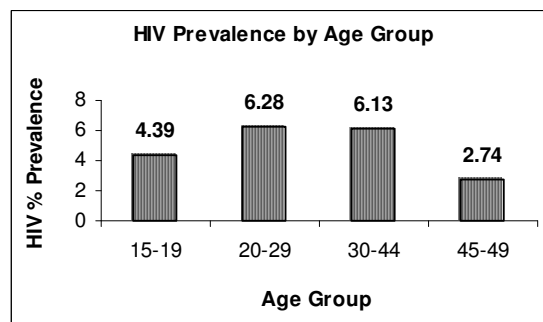


### 11.7. Findings FSW Sites-2007

<b>No of Sites</b>	9
<b>Sample Tested</b>	2248
<b>Found Positive</b>	133

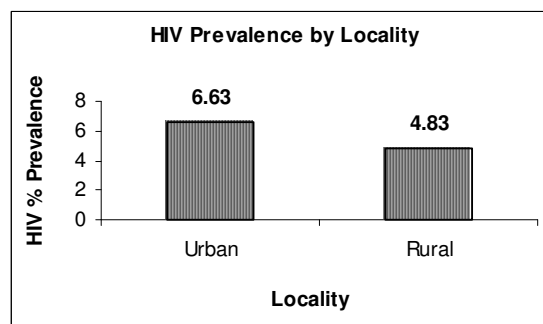
#### 1. HIV & VDRL Seropositive Status by Age Group

Age group	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
15- 19	228	10	4.39	7	3.07
20-29	1115	70	6.28	95	8.52
30-44	832	51	6.13	104	12.50
45 -49	73	2	2.74	9	12.33
<b>Total</b>	<b>2248</b>	<b>133</b>	<b>5.92</b>	<b>215</b>	<b>9.56</b>



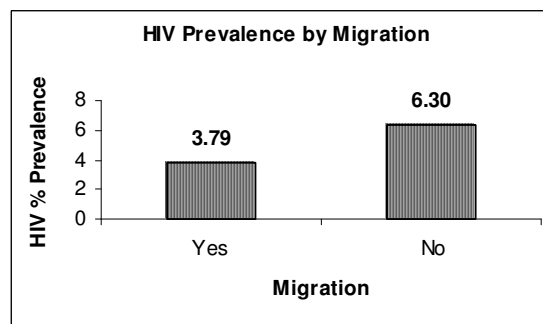
#### 2. HIV & VDRL Seropositive Status by Locality

Locality	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Urban	1358	90	6.63	185	13.62
Rural	890	43	4.83	30	3.37
<b>Total</b>	<b>2248</b>	<b>133</b>	<b>5.92</b>	<b>215</b>	<b>9.56</b>



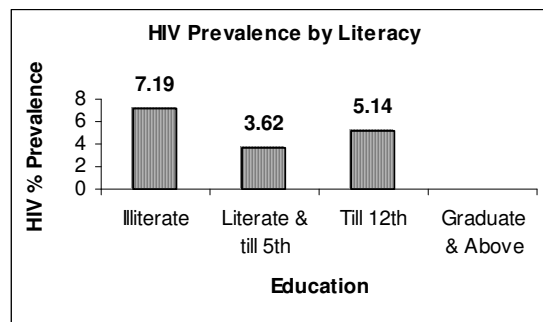
#### 3. HIV & VDRL Seropositive Status by Migration

Migrant	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Yes	343	13	3.79	24	7.00
No	1905	120	6.30	191	10.03
<b>Total</b>	<b>2248</b>	<b>133</b>	<b>5.92</b>	<b>215</b>	<b>9.56</b>



#### 4. HIV & VDRL Seropositive Status by Literacy

Education	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Illiterate	1377	99	7.19	162	11.76
Literate & till 5th	690	25	3.62	48	6.96
Till 12th	175	9	5.14	5	2.86
Graduate & above	6	0	0.00	0	0.00
<b>Total</b>	<b>2248</b>	<b>133</b>	<b>5.92</b>	<b>215</b>	<b>9.56</b>





### 11.8. HIV Sentinel Surveillance Survey Analysis-IDU Sites

#### Individual Site Report: Round wise HIV Prevalence Rate and 90 percent Confidence Interval

**Table 1: IDU Centre, The Calcutta Samaritans**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
6-2002	205	3	1.46	0.08	2.85	
7-2003	230	6	2.61	0.88	4.34	
<b>Total</b>	<b>435</b>	<b>9</b>	<b>2.07</b>	<b>0.95</b>	<b>3.19</b>	

(Started since 2002)

**Table 2: IDU Centre, SCIR Kolkata**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
8-2004	225	5	2.22	0.60	3.84	<b>4.00</b>
9-2005	250	7	2.80	1.08	4.52	
10-2006	250	13	5.20	2.88	7.52	
11-2007	250	17	6.80	4.18	9.42	
<b>Total</b>	<b>975</b>	<b>42</b>	<b>4.31</b>	<b>3.24</b>	<b>5.38</b>	

(Started since 2004)

**Table 3: IDU Centre, SCIR Lalgola**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	248	2	0.81	-0.12	1.74	<b>0.81</b>
10-2006	250	2	0.80	-0.13	1.73	
11-2007	250	6	2.40	0.81	3.99	
<b>Total</b>	<b>748</b>	<b>10</b>	<b>1.34</b>	<b>0.65</b>	<b>2.03</b>	

(Started since 2005)

**Table 4: IDU Centre, SCIR Siliguri**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	250	40	16.00	12.19	19.81	<b>11.60</b>
10-2006	250	25	10.00	6.87	13.13	
11-2007	250	29	11.60	8.27	14.93	
<b>Total</b>	<b>750</b>	<b>94</b>	<b>12.53</b>	<b>10.54</b>	<b>14.52</b>	

(Started since 2005)

**Table 5: IDU Centre, Kripa Foundation**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	250	25	10.00	6.88	13.12	
<b>Total</b>	<b>250</b>	<b>25</b>	<b>10.00</b>	<b>6.88</b>	<b>13.12</b>	

(Started since 2005)

**Table 6: IDU Centre, BPWT-Panitanki**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	233	10	4.29	2.11	6.47	
<b>Total</b>	<b>233</b>	<b>10</b>	<b>4.29</b>	<b>2.11</b>	<b>6.47</b>	

(Started since 2005)

**Table 7: IDU Centre, Howrah Changail**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	240	2	0.83	-0.14	1.80	
<b>Total</b>	<b>240</b>	<b>2</b>	<b>0.83</b>	<b>-0.14</b>	<b>1.80</b>	

(Started since 2005)

**Table 8: IDU Centre, Indian Red Cross, Kurseong**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
10-2006	250	8	3.20	1.36	5.04	
11-2007	250	20	8.00	5.18	10.82	
<b>Total</b>	<b>500</b>	<b>28</b>	<b>5.60</b>	<b>3.91</b>	<b>7.29</b>	

(Started from 2006)

**Table 9: IDU Centre, SKBS, TI**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
10-2006	250	10	4.00	1.96	6.04	
11-2007	250	25	10.00	6.88	13.12	
<b>Total</b>	<b>500</b>	<b>35</b>	<b>7.00</b>	<b>5.12</b>	<b>8.88</b>	

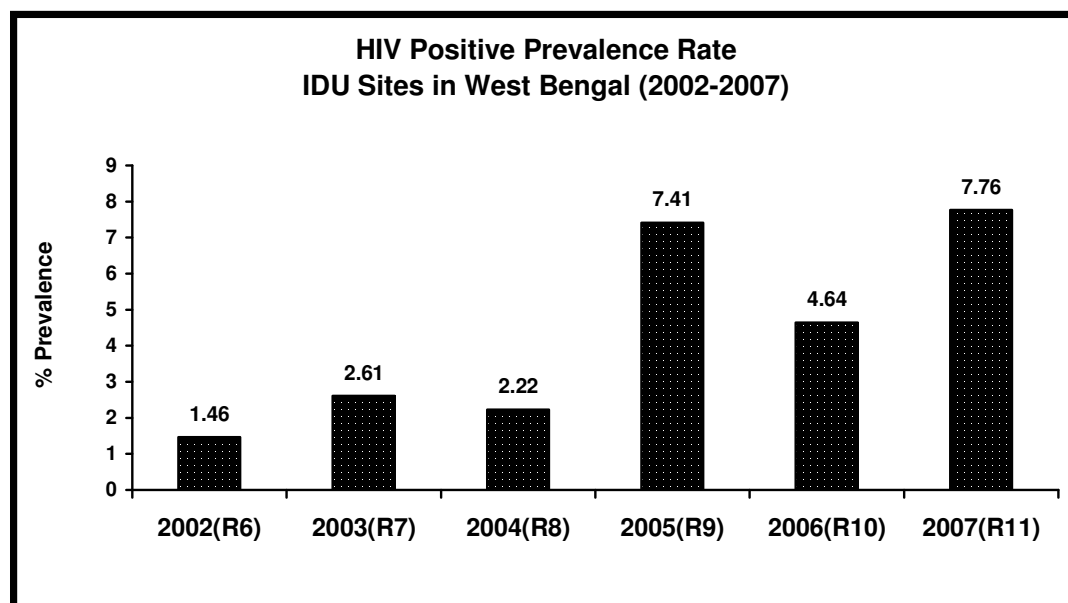
(Started from 2006)

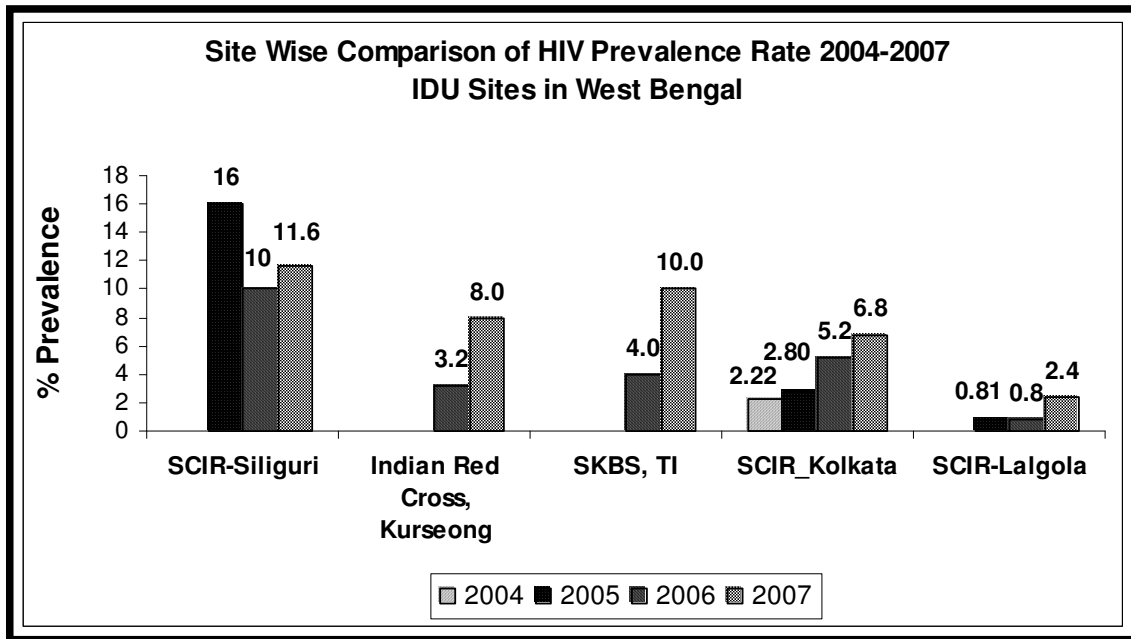
**Table 10: Year wise and Round wise HIV Prevalence Rate and 90 Percent Confidence Interval**

Year	Round	No of sites	No. of Samples		% Positive	Lower CI %	Upper CI %	Median Prevalence
			Tested	Positive				
2002	R6	1	205	3	1.46	0.08	2.84	3.63
2003	R7	1	230	6	2.61	0.88	4.34	
2004	R8	1	225	5	2.22	0.60	3.84	
2005	R9	4	998	74	7.41	4.84	6.86	
2006	R10	5	1250	58	4.64	3.66	5.62	
2007	R11	5	1250	97	7.76	6.52	9.00	
<b>Total</b>			<b>4158</b>	<b>243</b>	<b>5.84</b>	<b>5.25</b>	<b>6.44</b>	

**Table 11: IDU Clinics in West Bengal-2006**

Sl. No	District	Site Name	2006									
			Sample Tested	HIV	HIV %	VDRL	VDRL %	Sample Tested	HIV	HIV %	VDRL	VDRL %
1.	Darjeeling	SCIR-Siliguri	250	25	10.00	17	6.80	250	29	11.60	9	3.60
2.	Darjeeling	Kirpa Foundation Darjeeling	-	-	-	-	-	-	-	-	-	-
3.	Darjeeling	Indian Red Cross Kurseong	250	8	3.20	3	1.20	250	20	8.00	7	2.80
4.	Howrah	SKBS TI	250	10	4.00	0	0.00	250	25	10.00	4	1.60
5.	Kolkata	SCIR_Kolkata	250	13	5.20	2	0.80	250	17	6.80	9	3.60
6.	Murshidabad	SCIR-Lalgola	250	2	0.80	5	2.00	250	6	2.40	8	3.20
<b>Total</b>			<b>1250</b>	<b>58</b>	<b>4.64</b>	<b>27</b>	<b>2.16</b>	<b>1250</b>	<b>97</b>	<b>7.76</b>	<b>37</b>	<b>2.96</b>



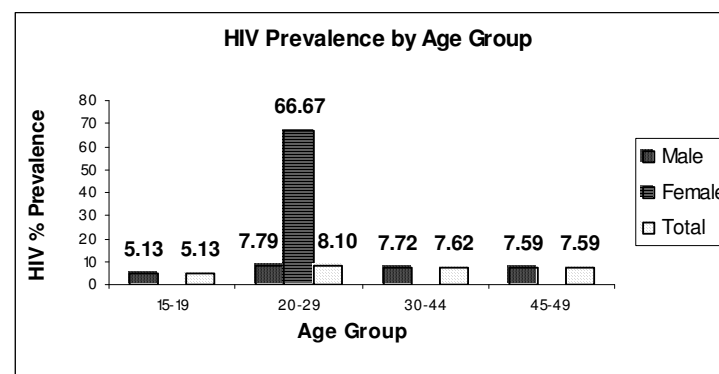
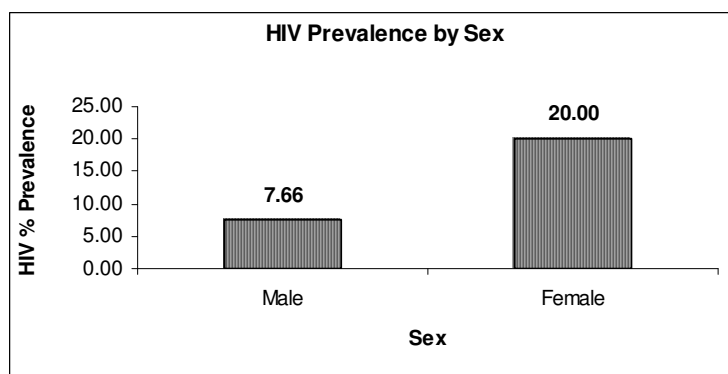


### 11.9. Findings:IDU Sites-2007

<b>No of Sites</b>	5
<b>Sample Tested</b>	1250
<b>Found Positive</b>	97

#### 1. HIV & VDRL Seropositive Status by Sex

Sex	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Male	1240	95	7.66	35	2.82
Female	10	2	20.00	2	20
<b>Total</b>	<b>1250</b>	<b>97</b>	<b>7.76</b>	<b>37</b>	<b>2.96</b>



#### 2. HIV & VDRL Seropositive Status by Age Group

Age Group	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
15- 19	39	2	5.13	2	5.13	0	0	0.00	0	0.00	39	2	5.13	2	5.13
20-29	565	44	7.79	13	2.30	3	2	66.67	0	0.00	568	46	8.10	13	2.29
30-44	557	43	7.72	19	3.41	7	0	0.00	2	28.57	564	43	7.62	21	3.72
45 -49	79	6	7.59	1	1.27	0	0	0.00	0	0.00	79	6	7.59	1	1.27
<b>Total</b>	<b>1240</b>	<b>95</b>	<b>7.66</b>	<b>35</b>	<b>2.82</b>	<b>10</b>	<b>2</b>	<b>20.00</b>	<b>2</b>	<b>20.00</b>	<b>1250</b>	<b>97</b>	<b>7.76</b>	<b>37</b>	<b>2.96</b>

**3. HIV & VDRL Seropositive Status by Locality**

Locality	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Urban	912	85	9.32	26	2.85	9	2	22.22	2	22.22	921	87	9.45	28	3.04
Rural	328	10	3.05	9	2.74	1	0	0	0	0	329	10	3.04	9	2.74
<b>Total</b>	<b>1240</b>	<b>95</b>	<b>7.66</b>	<b>35</b>	<b>2.82</b>	<b>10</b>	<b>2</b>	<b>20</b>	<b>2</b>	<b>20</b>	<b>1250</b>	<b>97</b>	<b>7.76</b>	<b>37</b>	<b>2.96</b>

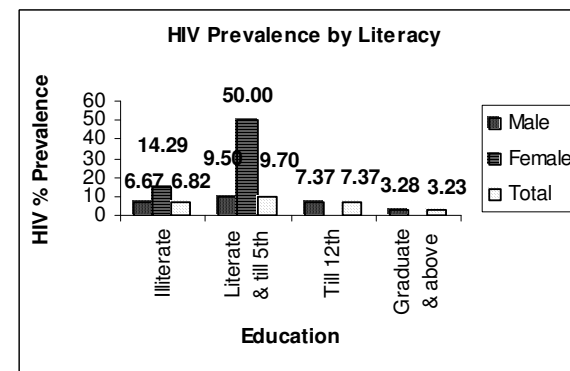
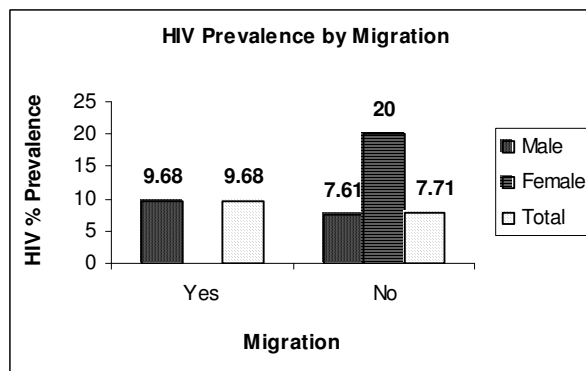
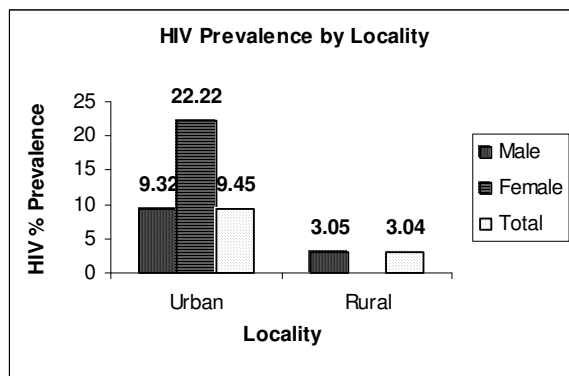
**4. HIV & VDRL Seropositive Status by Migration**

Migrant	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Yes	31	3	9.68	1	3.23	0	0	0	0	0	31	3	9.68	1	3.23
No	1209	92	7.61	34	2.81	10	2	20	2	20	1219	94	7.71	36	2.95
<b>Total</b>	<b>1240</b>	<b>95</b>	<b>7.66</b>	<b>35</b>	<b>2.82</b>	<b>10</b>	<b>2</b>	<b>20</b>	<b>2</b>	<b>20</b>	<b>1250</b>	<b>97</b>	<b>7.76</b>	<b>37</b>	<b>2.96</b>

**5. HIV & VDRL Seropositive Status by Literacy**

Education	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Illiterate	345	23	6.67	8	2.32	7	1	14.29	2	28.57	352	24	6.82	10	2.84
Literate & till 5th	400	38	9.5	12	3	2	1	50	0	0	402	39	9.7	12	2.99
Till 12th	434	32	7.37	15	3.46	0	0	0	0	0	434	32	7.37	15	3.46
Graduate & above	61	2	3.28	0	0	1	0	0	0	0	62	2	3.23	0	0
<b>Total</b>	<b>1240</b>	<b>95</b>	<b>7.66</b>	<b>35</b>	<b>2.82</b>	<b>10</b>	<b>2</b>	<b>20</b>	<b>2</b>	<b>20</b>	<b>1250</b>	<b>97</b>	<b>7.76</b>	<b>37</b>	<b>2.96</b>

## HIV Sentinel Surveillance West Bengal 2007



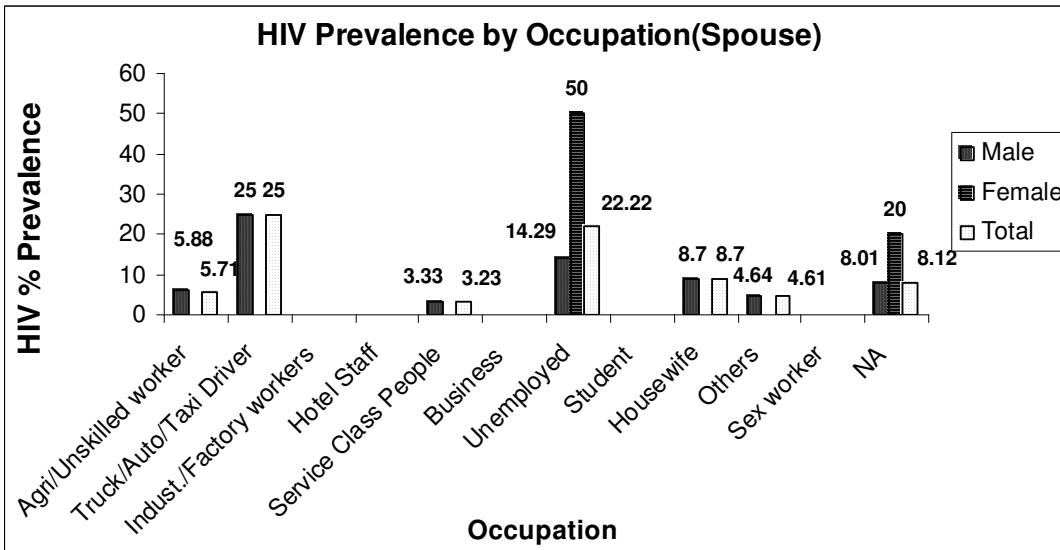
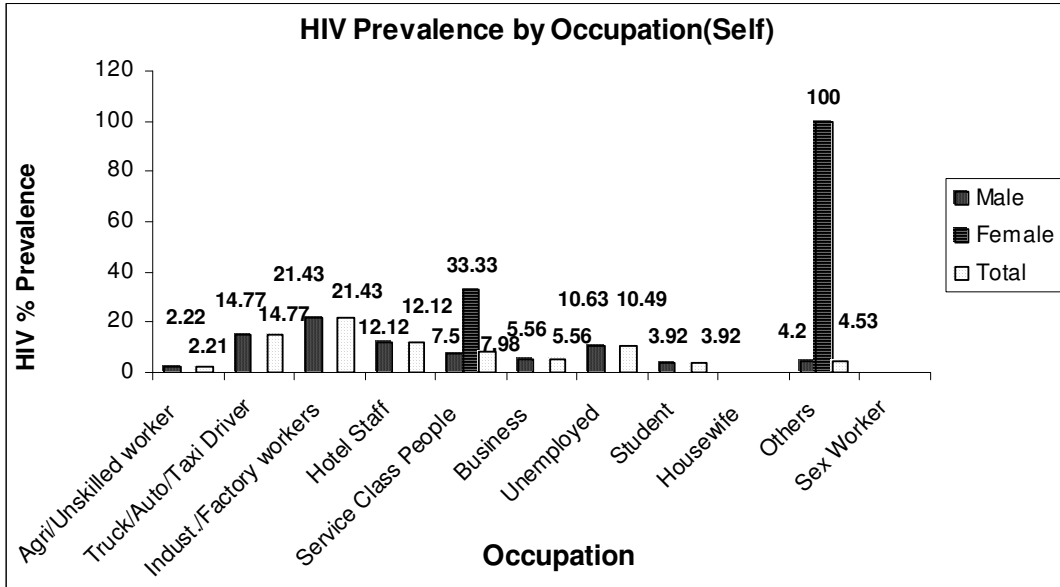
### 6. HIV & VDRL Seropositive Status by Occupation (self)

Occupation	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Agriculture/Unskilled worker	135	3	2.22	4	2.96	1	0	0.00	1	100.00	136	3	2.21	5	3.68
Truck/Auto/Taxi Driver	88	13	14.77	1	1.14	0	0	0.00	0	0.00	88	13	14.77	1	1.14
Industry/Factory workers	42	9	21.43	1	2.38	0	0	0.00	0	0.00	42	9	21.43	1	2.38
Hotel Staff	33	4	12.12	1	3.03	0	0	0.00	0	0.00	33	4	12.12	1	3.03
Service Class People	160	12	7.50	6	3.75	3	1	33.33	0	0.00	163	13	7.98	6	3.68
Business	144	8	5.56	3	2.08	0	0	0.00	0	0.00	144	8	5.56	3	2.08
Unemployed	301	32	10.63	7	2.33	4	0	0.00	1	25.00	305	32	10.49	8	2.62
Student	51	2	3.92	3	5.88	0	0	0.00	0	0.00	51	2	3.92	3	5.88
Housewife	0	0	0.00	0	0.00	1	0	0.00	0	0.00	1	0	0.00	0	0.00
Others	286	12	4.20	9	3.15	1	1	100.00	0	0.00	287	13	4.53	9	3.14
<b>Total</b>	<b>1240</b>	<b>95</b>	<b>7.66</b>	<b>35</b>	<b>2.82</b>	<b>10</b>	<b>2</b>	<b>20.00</b>	<b>2</b>	<b>20.00</b>	<b>1250</b>	<b>97</b>	<b>7.76</b>	<b>37</b>	<b>2.96</b>

**7. HIV & VDRL Seropositive Status by Occupation (Spouse)**

Occupation	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Agriculture/Unskilled worker	34	2	5.88	2	5.88	1	0	0.00	1	100.00	35	2	5.71	3	8.57
Truck/Auto/Taxi Driver	4	1	25	1	25	0	0	0.00	0	0.00	4	1	25.00	1	25
Industry/Factory workers	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00
Hotel Staff	2	0	0.00	0	0.00	0	0	0.00	0	0.00	2	0	0.00	0	0.00
Service Class People	30	1	3.33	1	3.33	1	0	0.00	0	0.00	31	1	3.23	1	3.23
Business	15	0	0.00	2	13.33	0	0	0.00	0	0.00	15	0	0.00	2	13.33
Unemployed	7	1	14.29	0	0.00	2	1	50.00	0	0.00	9	2	22.22	0	0.00
Student	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00
Housewife	460	40	8.70	10	2.17	0	0	0.00	0	0.00	460	40	8.70	10	2.17
Others	151	7	4.64	3	1.99	1	0	0.00	0	0.00	152	7	4.61	3	1.97
NA	537	43	8.01	16	2.98	5	1	20.00	1	20.00	542	44	8.12	17	3.14
<b>Total</b>	<b>1240</b>	<b>95</b>	<b>7.66</b>	<b>35</b>	<b>2.82</b>	<b>10</b>	<b>2</b>	<b>20.00</b>	<b>2</b>	<b>20.00</b>	<b>1250</b>	<b>97</b>	<b>7.76</b>	<b>37</b>	<b>2.96</b>





### 11.10. HIV Sentinel Surveillance Survey Analysis-MSM Sites

#### Individual Site Report: Round wise HIV Prevalence Rate and 90 percent Confidence Interval

**Table 1: MSM Centre, Manas Bangla, Kolkata**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
8-2004	150	2	1.33	-0.21	2.87	3.87
9-2005	186	1	0.54	-0.34	1.42	
10-2006	250	21	8.40	5.51	11.29	
11-2007	250	16	6.40	3.85	8.95	
<b>Total</b>	<b>836</b>	<b>40</b>	<b>4.78</b>	<b>3.57</b>	<b>6.00</b>	

(Started since 2004)

**Table 2: MSM Centre, Manas Bangla, Siliguri**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
10-2006	250	12	4.80	2.58	7.02	
11-2007	250	12	4.80	2.58	7.02	
<b>Total</b>	<b>500</b>	<b>24</b>	<b>4.80</b>	<b>3.23</b>	<b>6.37</b>	

(Started since 2006)

**Table 3: MSM Centre, Manas Bangla, Hooghly**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
11-2007	248	14	5.65	3.23	8.06	
<b>Total</b>	<b>248</b>	<b>14</b>	<b>5.65</b>	<b>3.23</b>	<b>8.06</b>	

(New site)

**Table 3: Year wise and Round wise HIV Prevalence Rate and 90 Percent Confidence Interval**

Year	Round	No of sites	No. of Samples		% Positive	Lower CI %	Upper CI %	Median Prevalence
			Tested	Positive				
2004	R8	1	150	2	1.33	-0.21	2.87	3.47
2005	R9	1	186	1	0.54	-0.34	1.42	
2006	R10	2	500	33	6.60	4.77	8.43	
2007	R11	3	748	42	5.61	4.23	6.99	
<b>Total</b>			<b>1584</b>	<b>78</b>	<b>4.92</b>	<b>4.03</b>	<b>5.82</b>	

**Table 4: MSM Clinics in West Bengal**

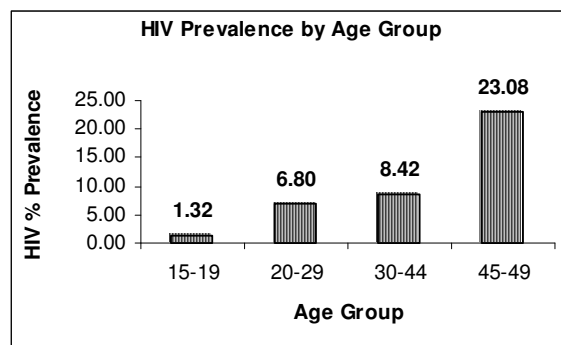
			2006				2007					
Sl. No	District	Site Name	Sample Tested	HIV	HIV %	VDRL	VDRL %	Sample Tested	HIV	HIV %	VDRL	VDRL %
1.	Darjeeling	Manas Bangla	<b>250</b>	12	4.80	2.57	7.03	<b>250</b>	12	4.80	9	3.60
2.	Kolkata	Manas Bangla	<b>250</b>	21	8.40	5.51	11.29	<b>250</b>	16	6.40	21	8.40
3.	Hooghly	Manas Bangla	-	-	-	-	-	<b>248</b>	14	5.65	9	3.63
<b>Total</b>			<b>500</b>	<b>33</b>	<b>6.60</b>	<b>31</b>	<b>6.20</b>	<b>748</b>	<b>42</b>	<b>5.61</b>	<b>39</b>	<b>5.21</b>

### 11.11. Findings:MSM Sites-2007

No of Sites	3
Sample Tested	748
Found Positive	42

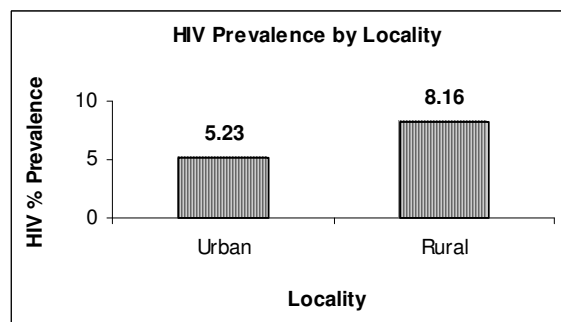
#### 1. HIV & VDRL Seropositive Status by Age Group

Age group	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
15- 19	228	3	1.32	3	1.32
20-29	412	28	6.80	27	6.55
30-44	95	8	8.42	8	8.42
45 -49	13	3	23.08	1	7.69
<b>Total</b>	<b>748</b>	<b>42</b>	<b>5.61</b>	<b>39</b>	<b>5.21</b>



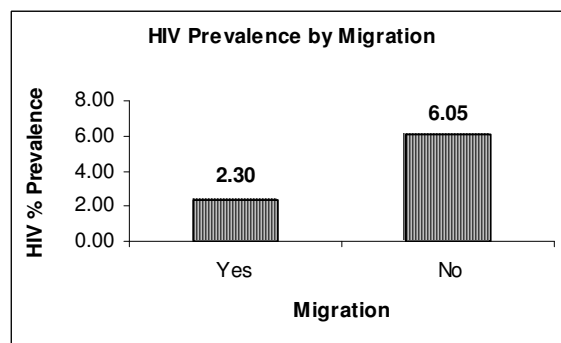
#### 2. HIV & VDRL Seropositive Status by Locality

Locality	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Urban	650	34	5.23	32	4.92
Rural	98	8	8.16	7	7.14
<b>Total</b>	<b>748</b>	<b>42</b>	<b>5.61</b>	<b>39</b>	<b>5.21</b>



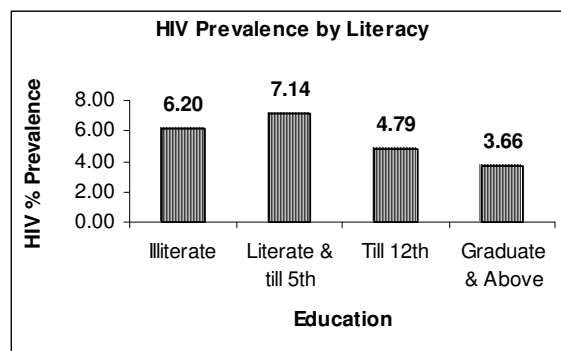
#### 3. HIV & VDRL Seropositive Status by Migration

Migrant	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Yes	87	2	2.30	2	2.30
No	661	40	6.05	37	5.60
<b>Total</b>	<b>748</b>	<b>42</b>	<b>5.61</b>	<b>39</b>	<b>5.21</b>



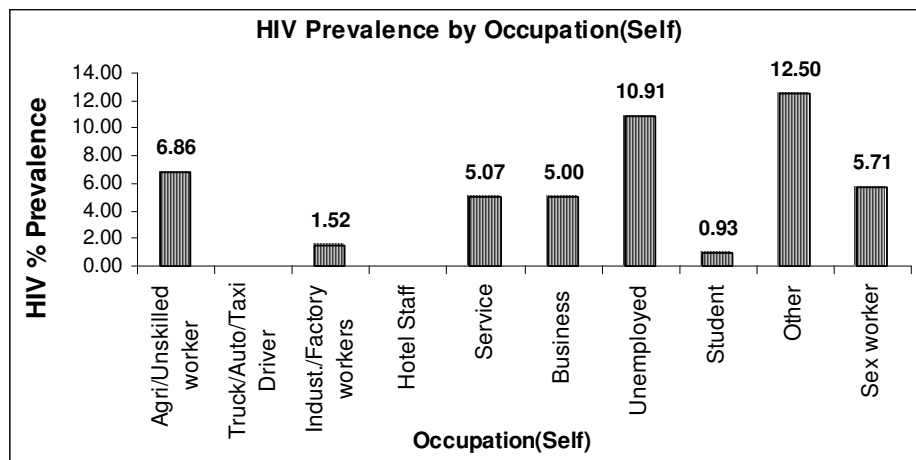
#### 4. HIV & VDRL Seropositive Status by Literacy

Education	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Illiterate	129	8	6.20	7	5.43
Literate & till 5th	224	16	7.14	15	6.70
Till 12th	313	15	4.79	15	4.79
Graduate & above	82	3	3.66	2	2.44
<b>Total</b>	<b>748</b>	<b>42</b>	<b>5.61</b>	<b>39</b>	<b>5.21</b>



**5. HIV & VDRL Seropositive Status by Occupation**

Occupation	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Agri/Unskilled worker	102	7	6.86	9	8.82
Truck/Auto/Taxi Driver	40	0	0.00	1	2.50
Indust./Factory workers	66	1	1.52	2	3.03
Hotel Staff	13	0	0.00	2	15.38
Service Class People	138	7	5.07	4	2.90
Business	80	4	5.00	3	3.75
Unemployed	55	6	10.91	3	5.45
Student	107	1	0.93	2	1.87
Others	112	14	12.50	9	8.04
Sex Worker	35	2	5.71	4	11.43
<b>Total</b>	<b>748</b>	<b>42</b>	<b>5.61</b>	<b>39</b>	<b>5.21</b>



## 11.12. HIV Sentinel Surveillance Survey Analysis-Truckers Sites

## Individual Site Report: Round wise HIV Prevalence Rate and 90 percent Confidence Interval

Table 1: Truckers Centre, NMMS-Hilli

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	248	3	1.21	0.07	2.35	1.21
10-2006	250	6	2.40	0.80	4.00	
11-2007	250	3	1.20	0.07	2.33	
<b>Total</b>	<b>748</b>	<b>12</b>	<b>1.60</b>	<b>0.85</b>	<b>2.36</b>	

(Started since 2005)

Table 2: Truckers Centre, BPWT -Petrapole

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	243	22	9.05	6.02	12.08	
<b>Total</b>	<b>243</b>	<b>22</b>	<b>9.05</b>	<b>6.02</b>	<b>12.08</b>	

(New Site)

Table 3: Truckers Centre, SSSS Burdwan

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	248	9	3.63	1.68	5.58	3.21
10-2006	250	6	2.40	0.80	4.00	
11-2007	249	8	3.21	1.37	5.05	
<b>Total</b>	<b>747</b>	<b>23</b>	<b>3.08</b>	<b>2.04</b>	<b>4.12</b>	

(Started since 2005)

Table 4: Truckers Centre, HVP Haldia

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	249	3	1.20	0.06	2.34	2.40
10-2006	250	6	2.40	0.80	4.00	
11-2007	250	8	3.20	1.37	5.03	
<b>Total</b>	<b>749</b>	<b>17</b>	<b>2.27</b>	<b>1.37</b>	<b>3.17</b>	

(Started since 2005)

Table 5: Truckers Centre, BPWT CPT

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	250	10	4.00	1.96	6.04	4.00
10-2006	250	11	4.40	2.26	6.54	
11-2007	250	7	2.80	1.08	4.52	
<b>Total</b>	<b>750</b>	<b>28</b>	<b>3.73</b>	<b>2.59</b>	<b>4.87</b>	

(Started since 2005)

**Table 6: Truckers Centre, GUP TI**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
10-2006	248	5	2.02	0.54	3.49	
11-2007	250	8	3.20	1.37	5.03	
<b>Total</b>	<b>498</b>	<b>13</b>	<b>2.61</b>	<b>1.44</b>	<b>3.79</b>	

(Started since 2006)

**Table 7: Year wise and Round wise HIV Prevalence Rate and 90 Percent Confidence Interval**

Year	Round	No of sites	No. of Samples		% Positive	Lower CI %	Upper CI %	Median Prevalence
			Tested	Positive				
2006	R10	5	1248	34	2.72	1.96	3.48	
2007	R11	5	1249	34	2.72	1.96	3.48	
<b>Total</b>			<b>2497</b>	<b>68</b>	<b>2.72</b>	<b>2.19</b>	<b>3.26</b>	

**Table 8: Truckers Centres in West Bengal**

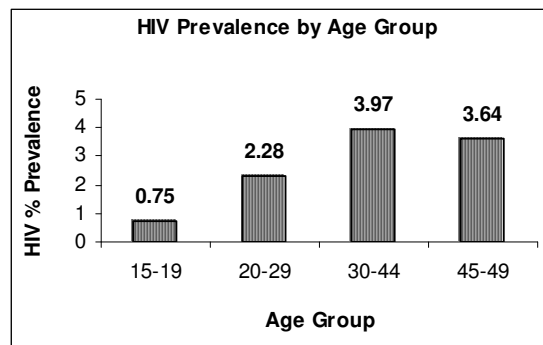
			2006					2007				
Sl. No	District	Site Name	Sample Tested	HIV	HIV %	VDRL	VDRL %	Sample Tested	HIV	HIV %	VDRL	VDRL %
1.	Purba Medinipur	HVP Haldia(TI)	250	6	2.40	3	1.20	250	8	3.20	0	0.00
2.	Jalpaiguri	GUP (TI)	248	5	2.02	10	4.03	250	8	3.20	14	5.60
3.	Kolkata	BPWT (TI) Kolkata	250	11	4.40	4	1.60	250	7	2.80	3	1.20
4.	Bardhaman	SSSS (TI)	250	6	2.40	17	6.80	249	8	3.21	7	2.81
5.	Dakshin Dinajpur	NMMS (TI) Hili	250	6	2.40	4	1.60	250	3	1.20	7	2.80
<b>Total</b>			<b>1248</b>	<b>34</b>	<b>2.72</b>	<b>38</b>	<b>3.04</b>	<b>1249</b>	<b>34</b>	<b>2.72</b>	<b>31</b>	<b>2.48</b>

### 11.13. Findings:Truckers Sites-2007

No of Sites	5
Sample Tested	1249
Found Positive	34

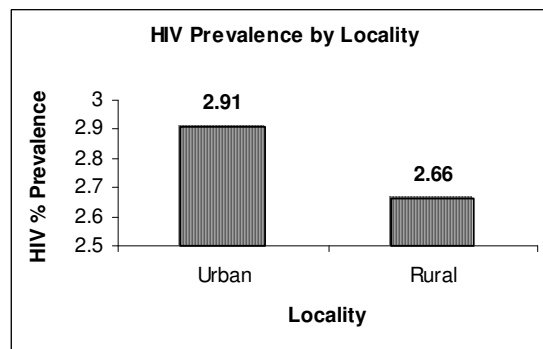
#### 1. HIV & VDRL Seropositive Status by Age Group

Age group	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
15- 19	134	1	0.75	0	0
20-29	657	15	2.28	13	1.98
30-44	403	16	3.97	17	4.22
45 -49	55	2	3.64	1	1.82
<b>Total</b>	<b>1249</b>	<b>34</b>	<b>2.72</b>	<b>31</b>	<b>2.48</b>



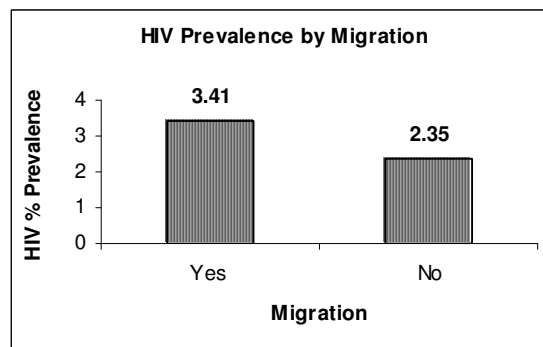
#### 2. HIV & VDRL Seropositive Status by Locality

Locality	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Urban	309	9	2.91	6	1.94
Rural	940	25	2.66	25	2.66
<b>Total</b>	<b>1249</b>	<b>34</b>	<b>2.72</b>	<b>31</b>	<b>2.48</b>



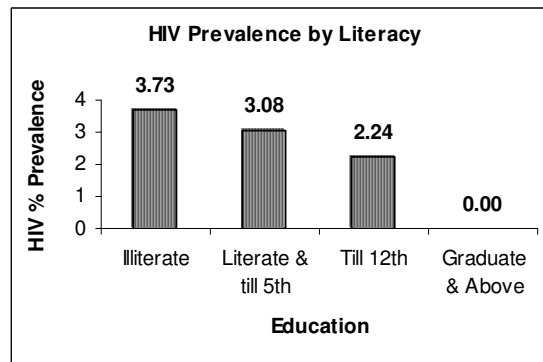
#### 3. HIV & VDRL Seropositive Status by Migration

Migrant	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Yes	440	15	3.41	2	0.45
No	809	19	2.35	29	3.58
<b>Total</b>	<b>1249</b>	<b>34</b>	<b>2.72</b>	<b>31</b>	<b>2.48</b>



#### 4. HIV & VDRL Seropositive Status by Literacy

Education	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Illiterate	161	6	3.73	0	0
Literate & till 5th	454	14	3.08	13	2.86
Till 12th	624	14	2.24	18	2.88
Graduate & above	10	0	0.00	0	0.00
<b>Total</b>	<b>1249</b>	<b>34</b>	<b>2.72</b>	<b>31</b>	<b>2.48</b>





**11.14. Surveillance Survey Analysis-Migrant Labor Sites**

**Individual Site Report: Round wise HIV Prevalence Rate and 90 percent Confidence Interval**

**Table 1: ML Centre,HDRI Kolkata**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
11-2007	248	23	9.27	6.24	12.30	
<b>Total</b>	<b>248</b>	<b>23</b>	<b>9.27</b>	<b>6.24</b>	<b>12.30</b>	

(New Site)

**11.15. Findings-ML Site 2007**

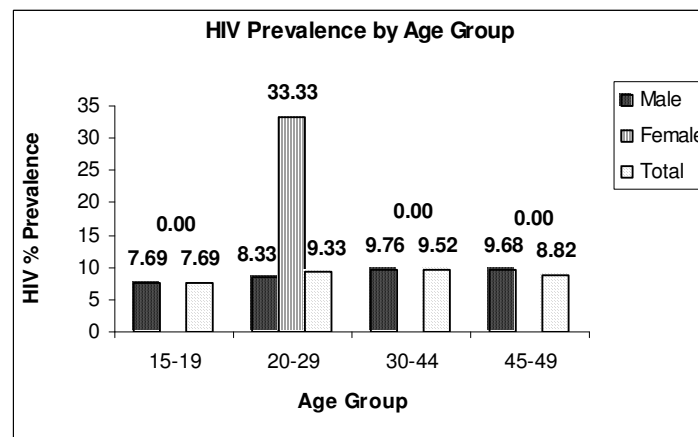
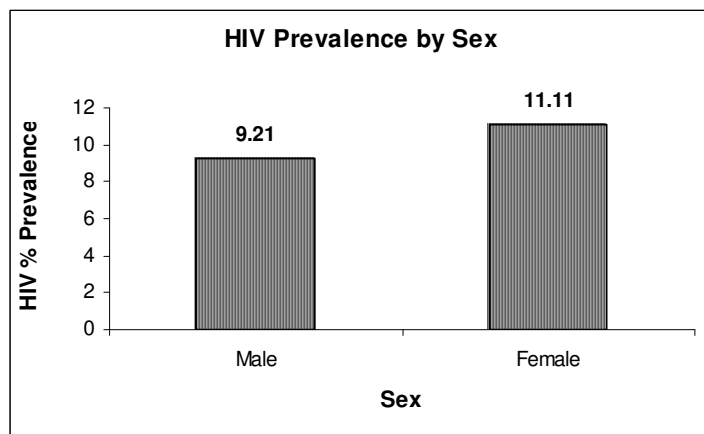
<b>No of Sites</b>	1
<b>Sample Tested</b>	248
<b>Found Positive</b>	23

**1. HIV & VDRL Seropositive Status by Sex**

Sex	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Male	239	22	9.21	2	0.84
Female	9	1	11.11	0	0.00
<b>Total</b>	<b>248</b>	<b>23</b>	<b>9.27</b>	<b>2</b>	<b>0.81</b>

**2. HIV & VDRL Seropositive Status by Age Group**

Age group	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDR L +ve	% Positive
15- 19	13	1	7.69	0	0.00	0	0	0.00	0	0.00	13	1	7.69	0	0.00
20-29	72	6	8.33	1	1.39	3	1	33.33	0	0.00	75	7	9.33	1	1.33
30-44	123	12	9.76	1	0.81	3	0	0.00	0	0.00	126	12	9.52	1	0.79
45 -49	31	3	9.68	0	0.00	3	0	0.00	0	0.00	34	3	8.82	0	0.00
<b>Total</b>	<b>239</b>	<b>22</b>	<b>9.21</b>	<b>2</b>	<b>0.84</b>	<b>9</b>	<b>1</b>	<b>11.11</b>	<b>0</b>	<b>0.00</b>	<b>248</b>	<b>23</b>	<b>9.27</b>	<b>2</b>	<b>0.81</b>



### 3. HIV & VDRL Seropositive Status by Locality

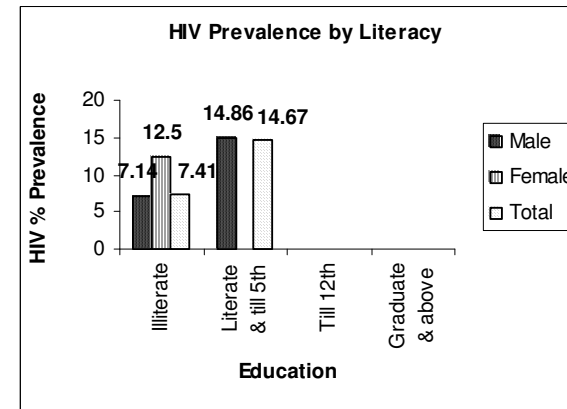
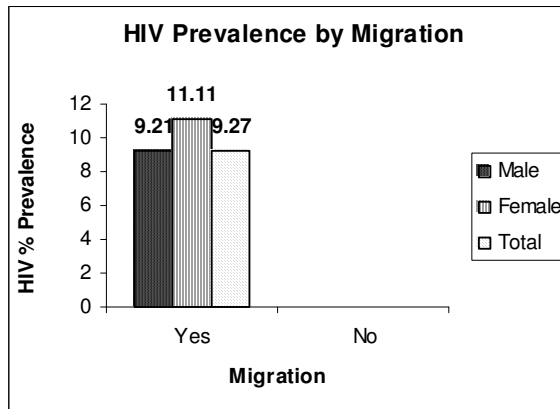
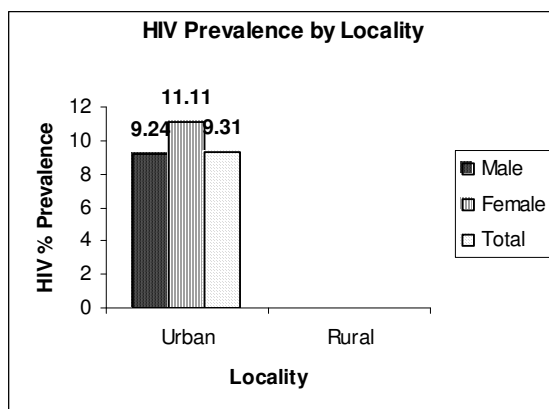
Locality	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Urban	238	22	9.24	2	0.84	9	1	11.11	0	0.00	247	23	9.31	2	0.81
Rural	1	0	0.00	0	0.00	0	0	-----	0	-----	1	0	0.00	0	0.00
<b>Total</b>	<b>239</b>	<b>22</b>	<b>9.21</b>	<b>2</b>	<b>0.84</b>	<b>9</b>	<b>1</b>	<b>11.11</b>	<b>0</b>	<b>0.00</b>	<b>248</b>	<b>23</b>	<b>9.27</b>	<b>2</b>	<b>0.81</b>

### 4. HIV & VDRL Seropositive Status by Migration

Migrant	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Yes	239	22	9.21	2	0.84	9	1	11.11	0	0.00	248	23	9.27	2	0.81
No	0	0	0.00	0	0.00	0	0	-----	0	-----	0	0	0.00	0	0.00
<b>Total</b>	<b>239</b>	<b>22</b>	<b>9.21</b>	<b>2</b>	<b>0.84</b>	<b>9</b>	<b>1</b>	<b>11.11</b>	<b>0</b>	<b>0.00</b>	<b>248</b>	<b>23</b>	<b>9.27</b>	<b>2</b>	<b>0.81</b>

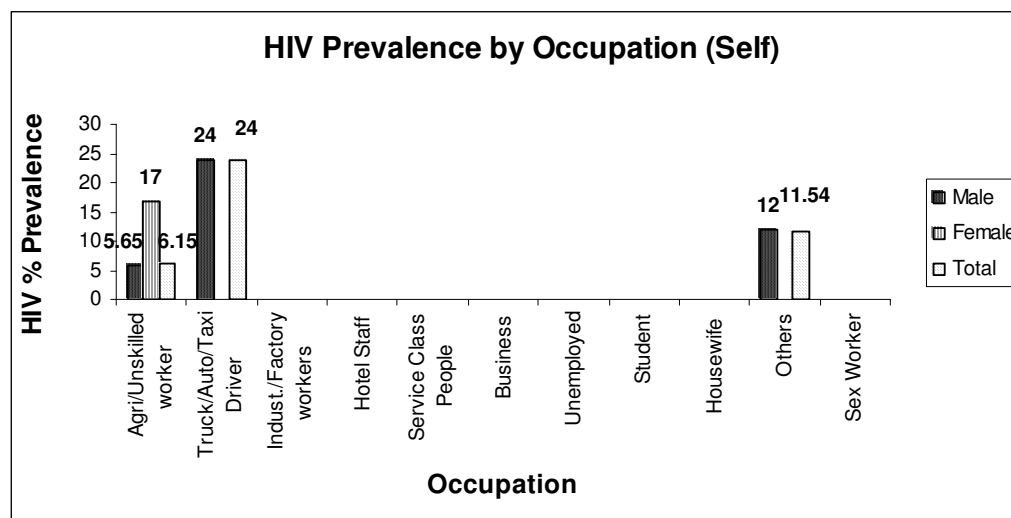
5. HIV & VDRL Seropositive Status by Literacy

Education	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Illiterate	154	11	7.14	2	1.30	8	1	12.50	0	0.00	162	12	7.41	2	1.23
Literate & till 5th	74	11	14.86	0	0.00	1	0	0.00	0	0.00	75	11	14.67	0	0.00
Till 12th	11	0	0.00	0	0.00	0	0	0.00	0	0.00	11	0	0.00	0	0.00
Graduate & above	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00
<b>Total</b>	<b>239</b>	<b>22</b>	<b>9.21</b>	<b>2</b>	<b>0.84</b>	<b>9</b>	<b>1</b>	<b>11.11</b>	<b>0</b>	<b>0.00</b>	<b>248</b>	<b>23</b>	<b>9.27</b>	<b>2</b>	<b>0.81</b>



6. HIV & VDRL Seropositive Status by Occupation (Self)

Occupation	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Agri/Unskilled worker	124	7	5.65	2	1.61	6	1	16.67	0	0.00	130	8	6.15	2	1.54
Truck/Auto/Taxi Driver	25	6	24.00	0	0.00	0	0	-----	0	-----	25	6	24.00	0	0.00
Indust./Factory workers	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00
Hotel Staff	2	0	0.00	0	0.00	0	0	-----	0	-----	2	0	0.00	0	0.00
Service Class People	5	0	0.00	0	0.00	0	0	-----	0	-----	5	0	0.00	0	0.00
Business	8	0	0.00	0	0.00	0	0	-----	0	-----	8	0	0.00	0	0.00
Unemployed	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00
Student	0	0	0.00	0	0.00	0	0	-----	0	-----	0	0	0.00	0	0.00
Housewife	0	0	-----	0	-----	0	0	-----	0	0.00	0	0	0.00	0	0.00
Others	75	9	12.00	0	0.00	3	0	0.00	0	0.00	78	9	11.54	0	0.00
Sex Worker	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00
<b>Total</b>	<b>239</b>	<b>22</b>	<b>9.21</b>	<b>2</b>	<b>0.84</b>	<b>9</b>	<b>1</b>	<b>11.11</b>	<b>0</b>	<b>0.00</b>	<b>248</b>	<b>23</b>	<b>9.27</b>	<b>2</b>	<b>0.81</b>



**11.16. HIV Sentinel Surveillance Survey Analysis-Men In Uniform Sites**  
**Individual Site Report: Round wise HIV Prevalence Rate and 90 percent Confidence Interval**

**Table 1: Men in Uniform Centre, North Bengal frontier Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	245	2	0.82	-0.13	1.77	<b>0.82</b>
10-2006	250	2	0.80	-0.13	1.73	
11-2007	250	6	2.40	0.81	3.99	
<b>Total</b>	<b>745</b>	<b>10</b>	<b>1.34</b>	<b>0.65</b>	<b>2.04</b>	

(Since Started 2005)

**Table 2: Men in Uniform Centre, South Bengal frontier Hospital**

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	189	1	0.53	-0.34	1.40	<b>0.80</b>
10-2006	250	2	0.80	-0.13	1.73	
11-2007	250	2	0.80	-0.13	1.73	
<b>Total</b>	<b>689</b>	<b>5</b>	<b>0.73</b>	<b>0.20</b>	<b>1.26</b>	

(Since started 2005)

**Table 3: Men in Uniform Clinics in West Bengal-2007**

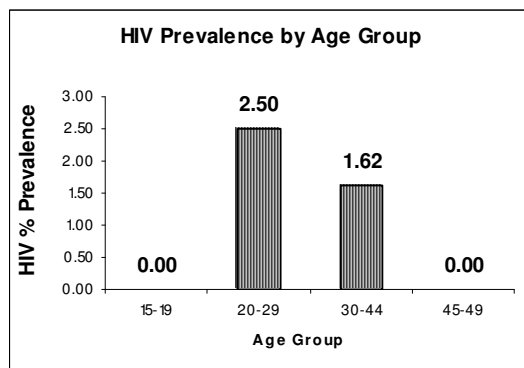
Sl. No	District	Site Name	2006				2007					
			Sample Tested	HIV	HIV %	VDRL	VDRL %	Sample Tested	HIV	HIV %	VDRL	VDRL %
1.	Darjeeling	North Bengal Frontier Hospital	250	2	0.80	3	1.20	250	6	2.40	7	2.80
2.	North 24 PGS	South Bengal Frontier Hospital	250	2	0.80	0	0.00	250	2	0.80	3	1.20
<b>Total</b>			<b>500</b>	<b>4</b>	<b>0.80</b>	<b>3</b>	<b>0.60</b>	<b>500</b>	<b>8</b>	<b>1.60</b>	<b>10</b>	<b>2.00</b>

### 11.17. Findings-MIU Site 2007

<b>No of Sites</b>	2
<b>Sample Tested</b>	500
<b>Found Positive</b>	8

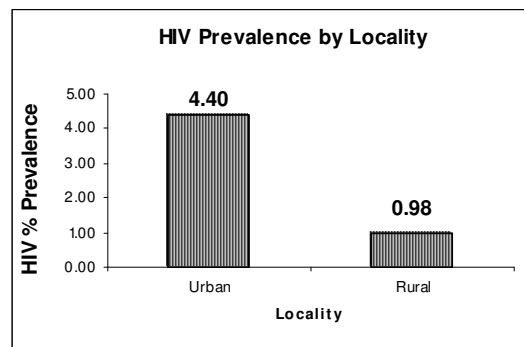
#### 1. HIV & VDRL Seropositive Status by Age Group

Age group	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
15- 19	1	0	0.00	0	0.00
20-29	80	2	2.50	1	1.25
30-44	371	6	1.62	8	2.16
45 -49	48	0	0.00	1	2.08
<b>Total</b>	<b>500</b>	<b>8</b>	<b>1.60</b>	<b>10</b>	<b>2.00</b>



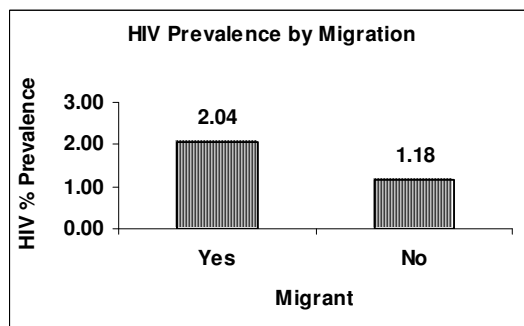
#### 2. HIV & VDRL Seropositive Status by Locality

Locality	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Urban	91	4	4.40	3	3.30
Rural	409	4	0.98	7	1.71
<b>Total</b>	<b>500</b>	<b>8</b>	<b>1.60</b>	<b>10</b>	<b>2.00</b>



#### 3. HIV & VDRL Seropositive Status by Migration

Migrant	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Yes	245	5	2.04	6	2.45
No	255	3	1.18	4	1.57
<b>Total</b>	<b>500</b>	<b>8</b>	<b>1.60</b>	<b>10</b>	<b>2.00</b>



#### 4. HIV & VDRL Seropositive Status by Literacy

Education	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Illiterate	0	0	0.00	0	0.00
Literate & till 5th	98	0	0.00	2	2.04
Till 12th	385	7	1.82	7	1.82
Graduate & above	17	1	5.88	1	5.88
<b>Total</b>	<b>500</b>	<b>8</b>	<b>1.60</b>	<b>10</b>	<b>2.00</b>

